

**KAIROS  
GLOBAL  
SCHOOL  
TERM-2  
E-MAGAZINE  
2021-22**

## **DR. VENKATA REDDY MADDHI REDDY** **CHAIR PERSON**



### **MESSAGE FROM CHAIRMAN'S DESK**

Nelson Mandela said that our children are our greatest treasure and we at Kairos wholeheartedly agree. We are getting our children ready to be catapulted into a technology driven future with essential life and literacy skills. This invariably means that the workforce, the priorities and career goals will look completely different when our students enter it. In fact, it is likely to look different before many of them enter it.

It is imperative and our primary responsibility to keep mentoring and teaching the students in a way where the world is constantly dynamic and it will definitely not look like it did for us.

**I believe there are certain skills that are timeless. For example- leadership, perseverance, entrepreneurship, problem solving, Intuitive etc. We as educators must help students develop these skills so that it will serve them no matter what the future looks like. I think these skills can help students become "future ready" This can be done by establishing a culture of enquiry, innovation & exploration, leadership and a profound system for a seamless exchange of knowledge and learning. The students have to be motivated to take charge of their learning and immerse themselves in creating new things and concepts**

**Even though we are getting ready for the future, we have to be rooted to our legacy and heritage. We should not forget where we ar coming from. Respect others and earn your respect. Always remember to uphold the dignity of the people around you .Be ready to give preference to others and keep working on your goals**

**All the best.**

# **DR.SUMANTH REDDY MADDHI REDDY**

## **DIRECTOR**



### **MESSAGE FROM DIRECTOR'S DESK**

**“Education is our greatest opportunity to give an irrevocable gift to the next generation.”**

**It is quite admirable how the way of learning and the concept of school have taken on a new meaning for learners. The process of returning to school may bring about a fresh set of worries for the parents. It is our responsibility to ensure that we, as a school, must now balance the educational, social and emotional needs of our students along with the health and safety of students.**

**Not only have we implemented severe safety protocols but also ensured various approaches like in-person schooling and hybrid**

**schooling for the students. It is quite evident that physical classrooms are an integral part of a student's life and essential for their growth but we have also realized the massive potential of integrating technology in education. This wonderful amalgamation has brought several interesting and multi-dimensional prospects to the classroom.**

**A host of remedial classes, bridge courses, experiential learning projects have also been designed for the students. These courses pave the way for a smooth transition and eradicate the learning gaps that a child may experience. Lastly, we believe that teachers are critical drivers of student learning. The challenges of the pandemic have only reinforced their irreplaceable and multi-faceted role: in facilitating and guiding learning; in supporting students' development inside and outside the classroom and always enabling a safe, healthy, and caring space for children to develop in every aspect in their life.**

# **MESSAGE FROM PRINCIPAL'S DESK**

## **MRS. M.SRILAKSHMI**

**As we close this enriching session on a wonderful note, it's time to get ready and brace ourselves for another exciting year of school and aim for pure excellence.**

**I would like to extend my heartiest thanks and heartfelt gratitude to all my dear parents. Your role has been magnanimously crucial and your support for us in every step has been incredible. I sincerely appreciate all our wonderful parents for keeping their faith in us and giving us the opportunity to work with their children. We have worked as a team always and we hope that we will continue to do so in all our future efforts. Let us work together and bring out the best in our children.**

**I would also like to appreciate and congratulate all my students who exhibited great talent in Competitions, academic fairs, club display, student led conferences etc. and made us proud by showing exemplary mastery and confidence.**

**Well done!!**

**I would like to remind my dear Kairosians that there is no single pathway to attain success in life, but the roads chosen by you must be filled with effort, dedication, relevance and relationships. All of you must think beyond your comfort zones and work towards developing a critical and creative mind. Remember "be not afraid of growing slowly, be afraid of only standing still".**

**Last but not the least; it has been such a blessing to work with the management, admin and the teachers of Kairos Global School. I extend my gratitude as they work relentlessly to provide all the means, resources, ways and environs to provide authentic learning experiences and also motivating them to act with compassion, accept responsibility and make the right choices as they grow up.**

**Here's to a new session.  
Let's make it memorable!**



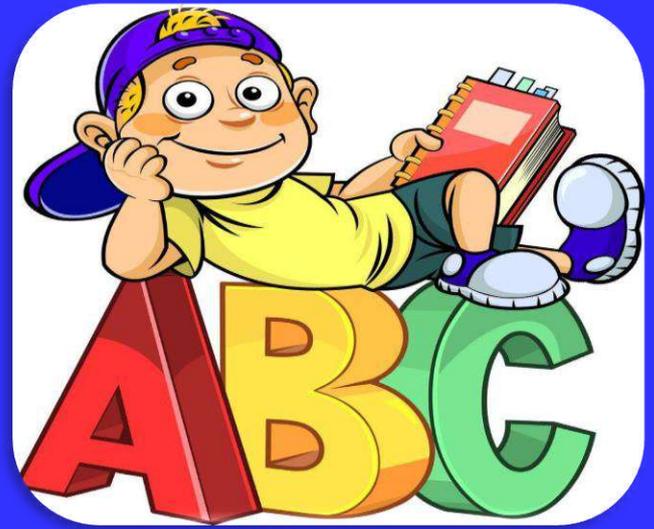
## **“TODAY A READER. TOMORROW A LEADER”**

Feels so good to see that kids started enjoying and learning through the new method. It's been a great pleasure to watch the kids learn and interact with teachers and peers actively during the online classes.



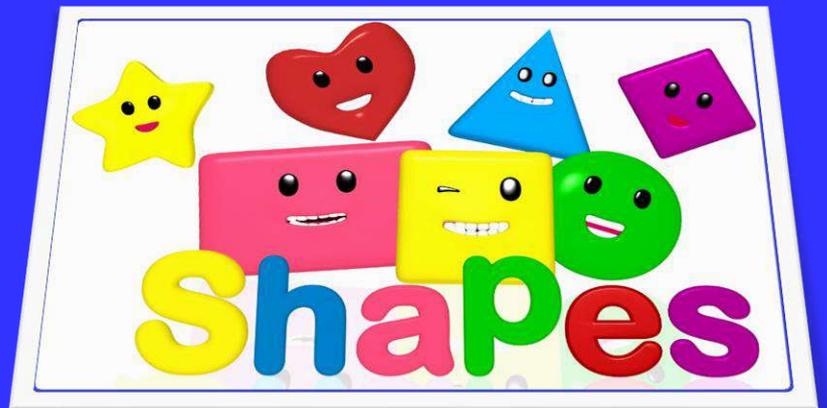
## Literacy:

The kids were introduced to the concept of strokes and curves where they learnt about all the strokes and curved patterns through different hands-on activities. Once thorough with the concept, introduction to alphabets Aa, Bb, Cc were done through pictures, rhymes and video's. Then we proceed further with the letters Dd, Ee, Ff, Gg, Hh and Ii. Then later on slowly we finished Jj, Kk, Ll, Mm, Nn, Oo, Pp, Qq, Rr, Ss, Tt, Uu, Vv, Ww, Xx, Yy and Zz.



## Numeracy:

The kids had fun learning about the various pre-number concepts- Same/Different, Big/Small, Tall/Short, Long/Short, Heavy/Light and More/Less through real life objects. They eagerly participated in searching and showcasing their objects related to the concepts. Then introduction to numbers 1,2,3 & 4 are done through live objects, video's and rhymes. We have also completed more numbers that are 5,6,7,8,9,0 and 10. Then later we have also finished numbers 11,12,13,14,15,16,17,18,19,20. We have also learnt about shapes(Circle, Triangle, Rectangle and Square)





### EVS:

The kids were introduced to various topics starting with Body Movements, Feelings and then we proceeded to My Family, My Home, My School. Kids enjoyed it a lot as it was introduced through a video, they have seen school as well. Then we continued and learnt about Wild animals, Domestic Animals. And then continued with Pet animals, Water animals, Birds and Insects. Later we proceeded with primary colours ( Red, Green, Yellow and Blue). We have also learnt about Clean and good habits. We also know about parts of plants and trees now. We have learnt about different types of flowers, fruits, vegetables and Vehicles. At last we have also studied about seasons.

### Fine Motor Skills (FMS):







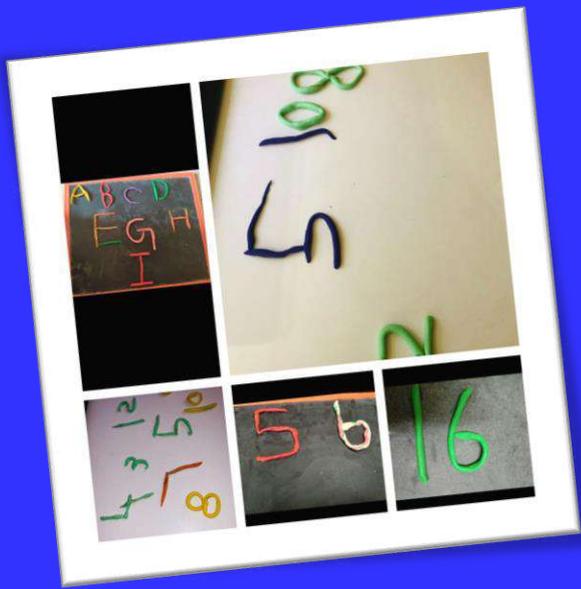
The children enjoyed doing fine motor skill activities like sponge dabbing,tearing and crumpling,and paper folding art. By doing this they develop eye-hand coordination.

More activities which are been done from april to september are Making paper ganesha, tearing and pasting,colouring,Watermelon with paper, Grand Parents day card, making of Rakhi, sprinkling flag with coloured rice, butterfly earbud painting,Fork painting, parents day card making, palm chick, Making friendship day band and planting.

We also made a kite, did straw painting, and tried writing letters and numbers on salt. Used clay for writing numbers and letters. We also tried to get the impression of leaves. also decorated a winter cap with cotton, we also sorted grains





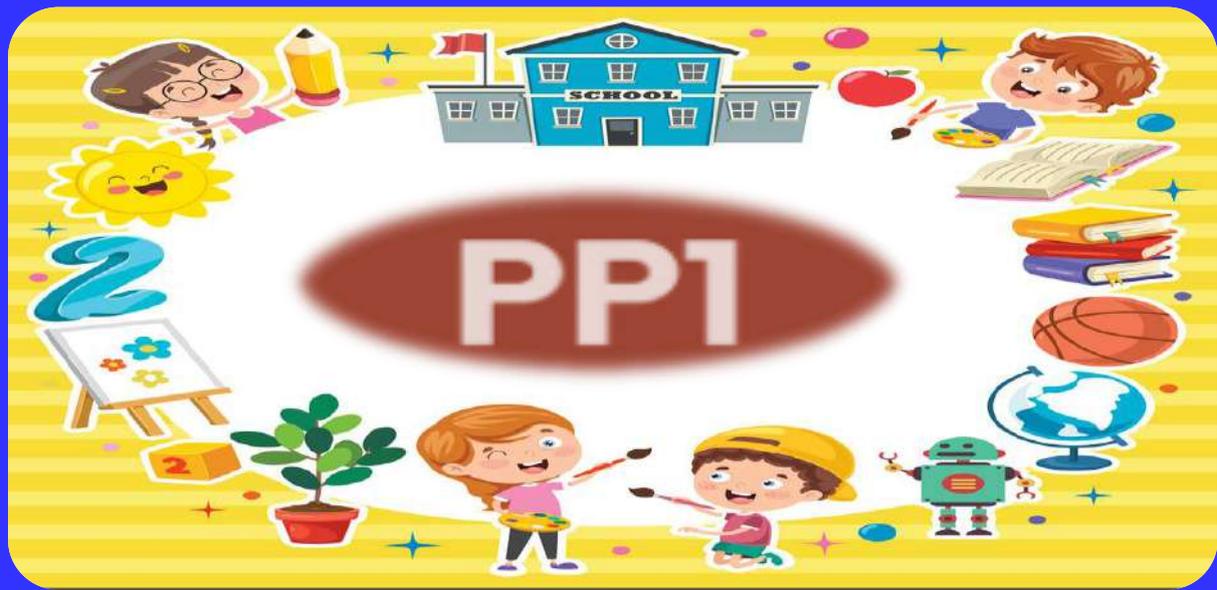




## Gross Motor Skills (GMS):

Gross motor skills are activities that require the whole body movement and involve the large (Core-Stabilising) muscles of the body to do everyday activities. To develop gross motor skills in our children the kids enjoyed doing different kinds of hopping, jumping and crawling activities.





**“Children need the freedom to appreciate the Infinite resources of their Hands, their Eyes and their Ears the resources of the Forms, Materials, Sounds and Colours”.**

# First day of school:

Early morning on the first day of school, one could observe the mixed feelings of excitement, joy, and confusion among the students, parents, and teachers at Kairos Global school.

One-by-one students began gathering in school. While it is mandatory for the students to wear masks, for the purpose of hygienic protection and awareness about COVID-19.

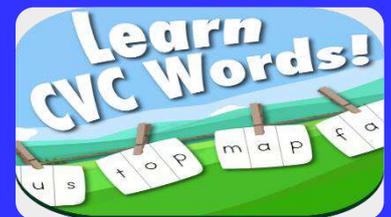
All kids entered the school building and first check the thermal screening, and they sanitize their hand. All PP1 kids entered their classroom, they saw their class and their friends. They were feeling very excited and inside the class they dance, after, they go to their FMS room and play with sensorial materials, 1-1 kids starting with colour beads, after that all kids went to the ground and did Bunny hop with the hoola hoop. After a short break All kids form a line like a train, go to slides and have lots of fun.

Congratulation! Kids first day you attend your fun activity class with hope and curiosity, Wishing you my little Kiddos! A fabulous first day of school!



# Literacy:

The kids learnt the letters with phonic sounds and how to write letters, After and Before letters, and sequence writing through activity. *The kids had fun singing the tunes of various rhymes. All kids practice writing letters with the help of Play dough. All kids are learning in the Four-line notebook (Nn-Zz). The kids had recap on letters (Aa-Zz) through video, pictures, phonic sound, oral and writing in four-line notebook. They were also introduced to the concept of vowels, consonants and CVC words of -a family, -e family, -l family, -o family and -u family.*



# Numeracy:

The Kids were introduced to the concept of number counting through video, Flash cards, practical objects, they had fun counting number 21-50. Practicing sheets. In notebook writing and better understanding of the Number formation the kids were given worksheet. They were learnt After, before and between numbers, Matching, Odd one out, Connect the dot numbers and make a picture. They even learnt the number names to spell (0 zero-20 twenty).





## EVS:

The kids were enjoyed different topics. They were also introduced like, Different Season Spring, Summer, Rainy, Autumn and Winter, They also learnt about good habits to be followed, Water, importance of water in our lives and the sources and uses of water, Our community helpers, Places in Our Neighbourhood, Our Feelings, Our Body movement,

Being Organised (keep things in their proper place), Problem solving skill(how we solve our problems step by steps), What is good touch and what is Bad touch, What is good secret and bad secret, Growing up(like plant or tree grows and we can see changes a same way how human beings grows), Physical activities(What are the activities we have to in daily ) and Physical safety rules, through Power Point Presentation and videos.



# Fine Motor Skill (FMS):

Fine motor skills are those that involve a refined use of the small muscles which control the hand, fingers, and thumb. With the development of these skills, a child can complete important tasks such as writing, feeding oneself. Little hands need to develop dexterity and strength. We, as parents or caregivers, can help this process by encouraging children to play, explore and interact with a variety of items, Necklace with pasta or straws, Doodle art, Diwali craft Diya making, vegetable printing, Christmas celebration (Christmas tree craft), Pongal celebration (kite making), Blow printing, Ear bud Printing, Republic day (in Flag thumb printing) , Finger Printing, clay making some objects, Thread Pasting, Vegetable's printing, fork printing,.



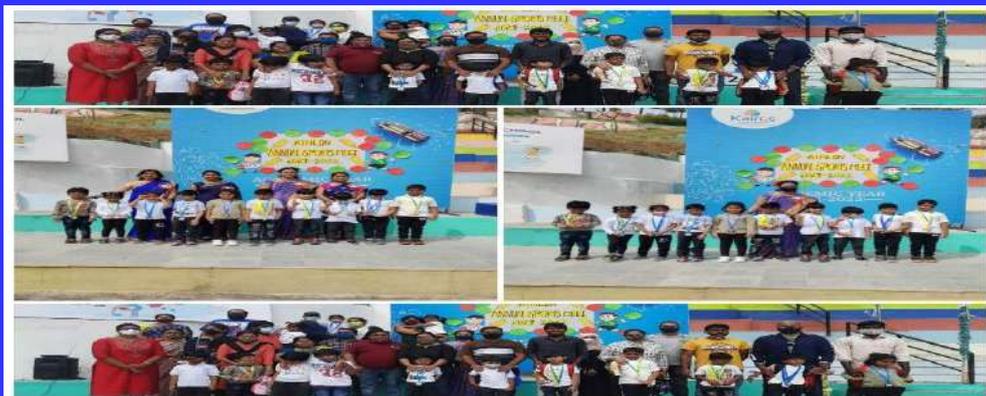


# Gross Motor Skill (GMS):

Gross motor skill is those which whole body movement and which involves the large (core stabilising) muscles of the body to perform everyday functions, such as standing and walking, running, and jumping, and sitting. They also include eye-hand coordination skills. Kids enjoyed hopping in a circle, hop in a zig zag circle, Light stretching activity (making some letters X, H, A, E, T, L),

In school we organised 'Athlon sports meet' All pre-primary kids in several sports events like, lemon and spoon walk, 50m running race and obstacle race. It was a feast for the eyes to our tiny kairosians to reach the finishing line. Parents also participate and enjoy a lot.





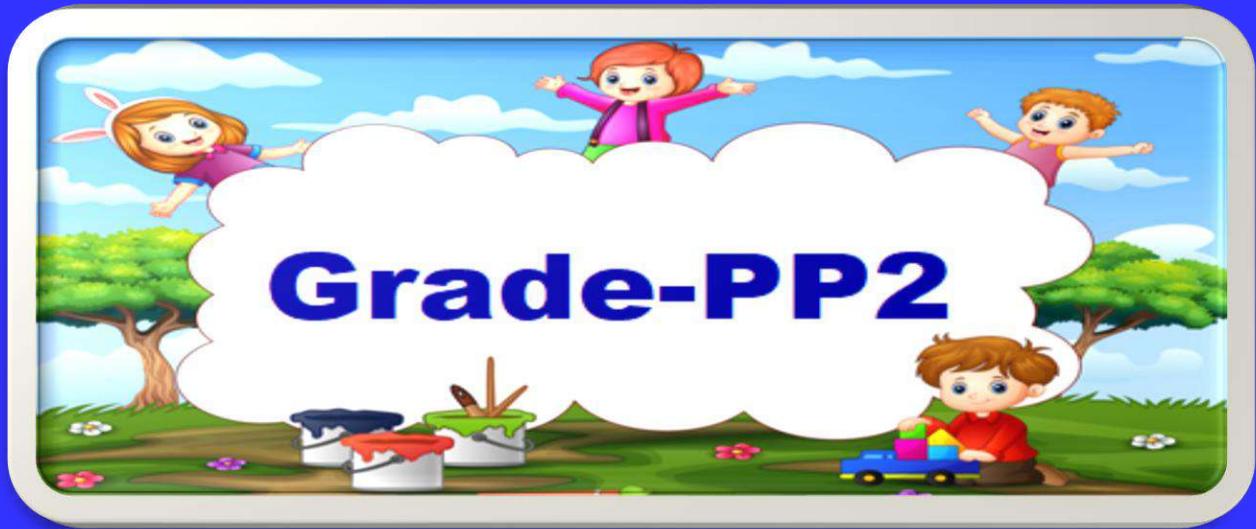
# Display day:

In the month of February 26<sup>th</sup> Our little tiny toddlers participate in Display Day” Imela Provolis”. The kids were participated in the event with great They showcase their creative and learning skill. In the presence of our chairman Dr. M Venkat Reddy, Principal Srilakshmi Merapala, teachers and parents also turned up at the event to witness the tiny tots displaying their skill.

*Kindly find the PP1 display day video link below.*

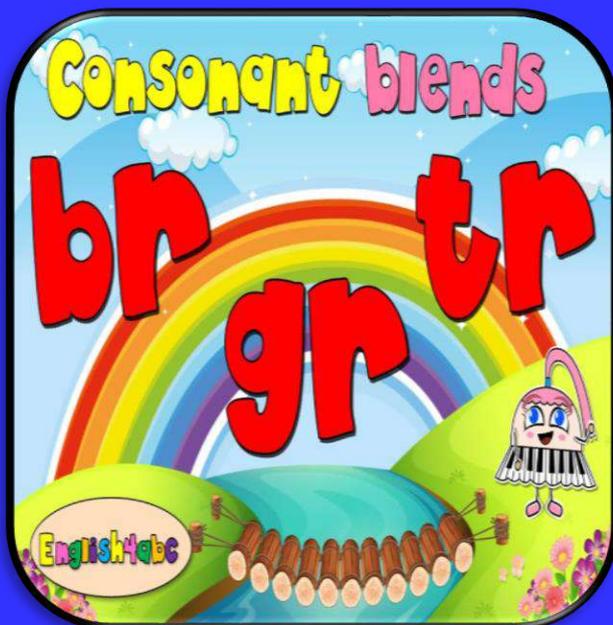
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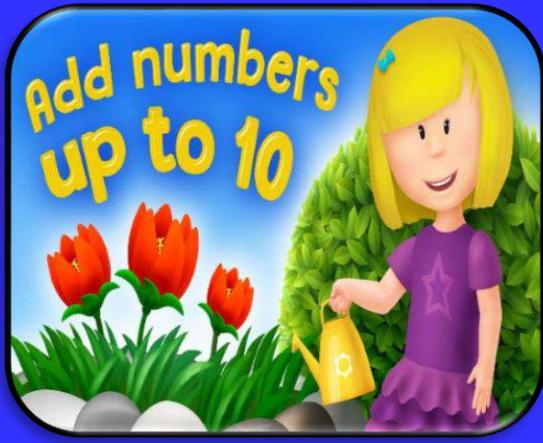


**If we want to reach real peace in this world, we should start educating children.”**

### Literacy:



The kids were introduced to the concepts of days of the week, months of the year, long vowels, Blends, double letter words “oo”, “ee”, “ll”, “ss”, br, cr, dr, gr, tr sound words, cl, fl, pl, ch, sh, wh, ph, th sounds, different “s” sound words, different “o” sound words. They were also taught to read sentences starting with different blends and long vowels.



## Numeracy:

The kids were introduced to the concepts of increasing order, decreasing order, comparison of numbers, shapes and patterns; skip counting by 2, 5, 10, forward and backward counting, addition, subtraction, word problems on addition and subtraction, time and money.

## EVS:



The kids were introduced to various topics like good habits, magic words, water, saving water, forms of water, save the environment, seasons, living and non-living things, day and night, colours, places in the neighbourhood, games, musical instruments, planets of the solar system, our country India, Our national symbols, some people of India, some dances of India, festivals and important days.

## Fine Motor Skills (FMS):

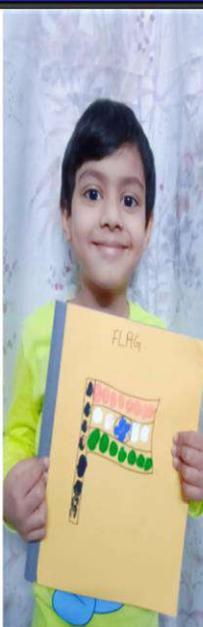
Fine motor skills involve the use of small muscles in fingers, wrist, toes, lips and tongue. The kids had fun doing fine motor skill activities like tearing and pasting, clay moulding, clock making activity, blow printing, kite making, thumb printing, New year card making, vegetable printing, Christmas tree making, fork printing.

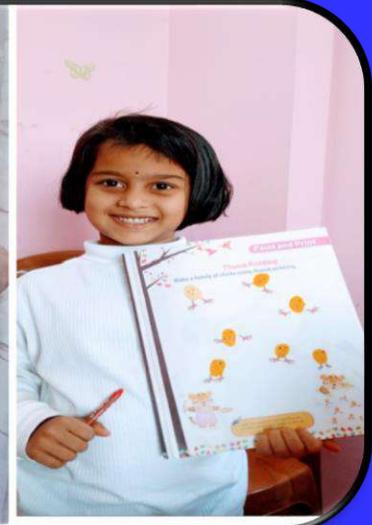
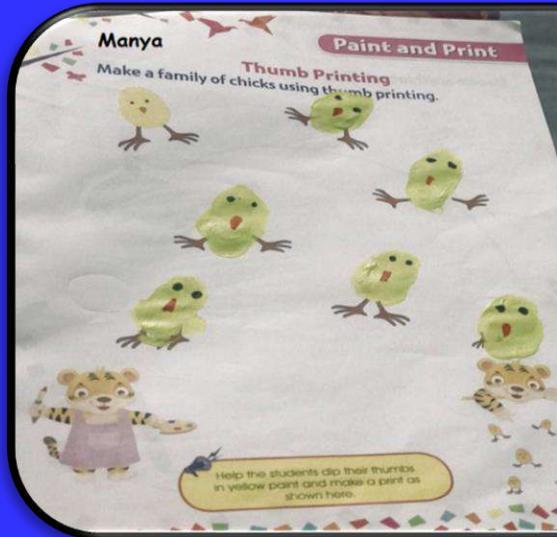






Earbud Printing by Aavya









## Gross Motor Skills (GMS):

Gross motor skills involve larger muscles in the arm, legs and torso. To develop gross motor skills in our children the kids enjoyed activities like warm up exercises, hopping over glasses, hopping inside circles, balancing a book and walking, yogasanas, balancing a lemon in spoon, walk backwards, catch and throw a ball, ball dribbling and hopscotch.







**GRADE 1**

**-**

**NEWSLETTER**

# EVS

Through the learning of EVS the child is curious, as he/she explore, inquires, finds out, checks out their understanding and consolidates their learning.

In term 2 students learnt many interesting things on environment. Such as air, water, plants, animals, food, clothes, directions, do's and don'ts to be followed and about safety rules including their personal safety.

Students of Grade 1 learnt many things about nature and nature's gifts in the chapters 6 and 7. Students curiously learnt many facts about the sky and the earth. Knowing about the things seen in the sky was amazing. And how sky looks in different times of the day was really interesting. Children also learnt about different landforms. Making the model of the landforms , formation of a rainbow and other activites and visualisation through many videos made students understand the concept in a better way.

The most essential needs for all the living things are the air and water. Learning about these essential things knew about our healthy living. Experimental based learning of properties of air made the concept more interesting. Children learnt many uses of



air and water and also the sources of water in the chapter 'Air and Water'. They now know how important are the nature's gifts. And we all have to contribute in saving our nature.

In chapter 8, students were taught about plants and trees. As we all know plants and trees play an essential role in our survival. Students showed their interest in learning about different parts of a plant and kinds of plants.

Not only plants even animals are our friends and play an important role in our lives. Chapter 10 told us about animals around us. Students learned about different kinds of animals and their habitats. They even came to know birds are also animals with wings to fly. And insects are animals with small body and six legs. They were how to take care of plants and animals and its

importance.

Ch 10 is about food we eat and clothes we wear. Children understood different types of food help us in different ways. What nutrients we get for different foods and how they helpful to us. As we all know we don't wear same clothes and footwear at different times in a year. Our attire and footwear changes according to the seasons. Students



**learned about different season and the clothes we wear during the season.**



**Every day we do many things. For doing different things, we move our body in different ways. Students learnt about different movements and directions in the chapter 'Moving Around'. They also learnt about different vehicle, that helps us to reach places far from where we are.**

**To stay healthy and live a happy life one has to follow good habits. And one should always behave well with others and use polite words show our good manners. Chapter 21 Good habits and manners has**

taught us many things that we have do and not to do. Students also learnt the magic words and a beautiful poem on it.

Last but not the least, we should all learn to be safe and away from danger. The last chapter 'Our Safety' made the students realize mistakes they do at home, schools and on road. Students also learnt about personal safety. What are safe and unsafe touches are tough to them which very important for the students to know.

Finally Evs made the students to identify the different

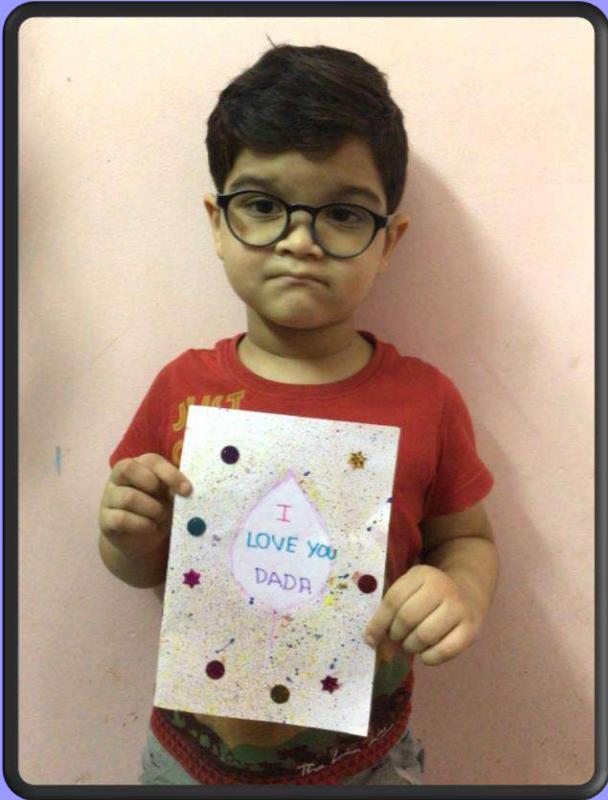
environmental problems and understand how to deal with issues and learn values clarification in relating to environmental sensitivity.















[https://drive.google.com/file/d/1XU\\_ZdXymwEs3H3xEo\\_X9LQy8xfpw2pXd/view?usp=sharing](https://drive.google.com/file/d/1XU_ZdXymwEs3H3xEo_X9LQy8xfpw2pXd/view?usp=sharing)







# BLUE SKY



# **NEWSLETTER**

## **ENGLISH**

**The very First class of mine in English language was full of fun & laughter as I introduced the Grade 1 students, the concept of action words with flash cards, which was a game of learning with dancing. They were super agitated as they thoroughly enjoyed it. Next, they were introduced through video lessons on parts of speech of English language on nouns and pronouns.**

**Later they learnt about Blending Vowels, Digraphs and Articles, through various video lessons and they were encouraged to form simple sentence formation through writing activity. Lastly, they learnt one of the main core topics of English language, which is Tense. Here they were introduced to Simple Present and Simple Past Tenses through video lessons. We did one activity on student's family members on diagrammatic representation on Family.**

**Afterwards they are taught the concept of Singular Plural Nouns, Singular and Plural determiners. They are also taught 'Adjectives 'with the help of video lessons.**

**Moreover, they are taught Opposite Words with including charts and picture clues. Apart from that student did various writing activities.**

**In this session I introduced Digraphs and Phonic sound through various activities. Then they learnt the names of baby animals and describing words and exclamation marks. The students also learnt minimal pairs through activities. They have also been introduced with Singular and Plural words, Punctuation and Preposition. We did**

various Role Play activities. Children actively participated in those events.

Children also learnt three different types of writings, which are:-

1. Describing an Event
2. Picture Composition
3. Story Writing

We did another activity on making a Booklet on safety rules which describes how to protect one-self from any kind of dangers they may face.

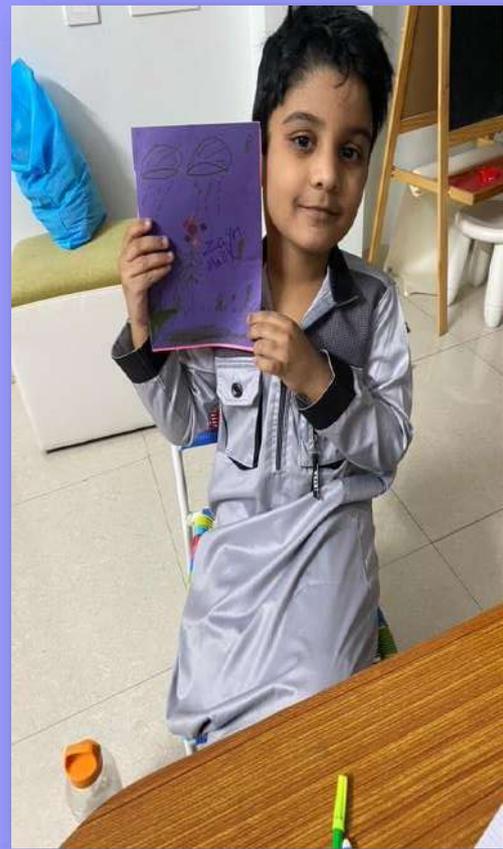
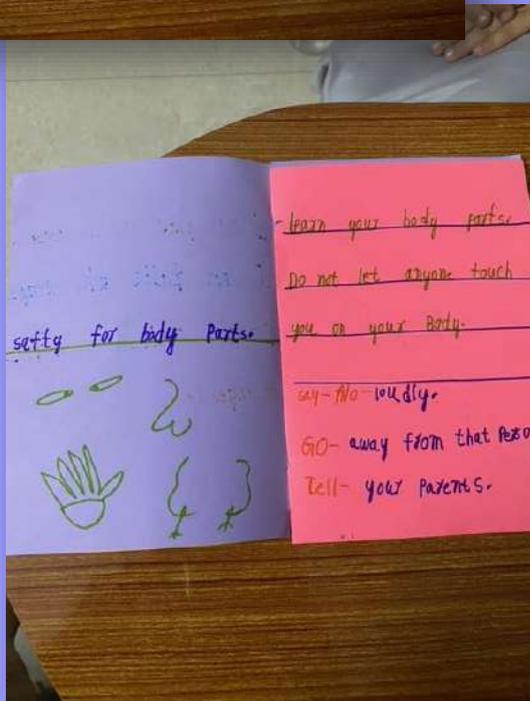
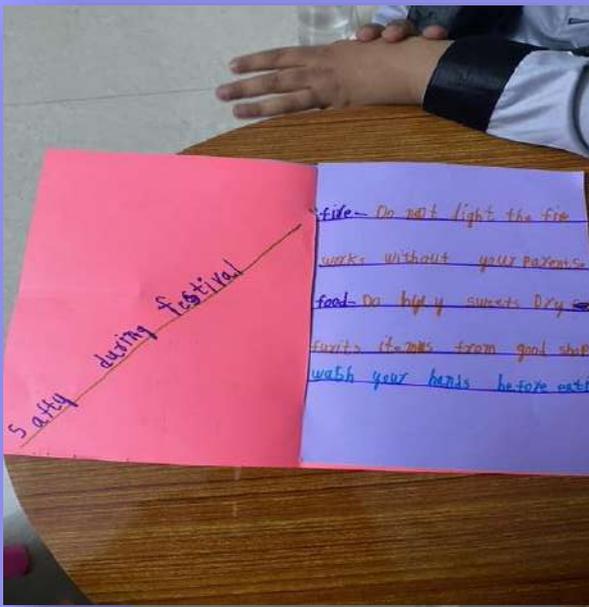
Opposites Words Video Link :

<https://youtube.com/watch?v=3JDWR6SXSnk&feature=share>

Adjective Presentation :

[ADJECTIVE.pptx](#)





# GRADE 1

## MATHS

**Time is the ongoing sequence of events taking place. The past, present and future. The basic unit of time is the second. There are also minutes, hours, days, weeks, months and years. We can measure time using clocks. It has an hour hand, and a minute hand. The time is usually based on 12-hour clock. The hour hand, the 1 in a normal 12-hour analogue. The minute hand, the longer hand, completes 1 rotation through  $360^\circ$  in 60 minutes.**

**Money is a commodity accepted by general consent as a medium of economic exchange. It is the medium in which prices and values are expressed. It circulates from person to person and country to country, facilitating trade, and it is the principal measure of wealth.**

**Focus on Skip Counting (before counting money) Counting money requires that students be able to skip count by 5s, 10s, and 25s. ...**

**Teach Stop and Start Counting: ...**

**Introduce Counting Money with Coins Slowly: ...**

**Provide Visual Reminders: ...**

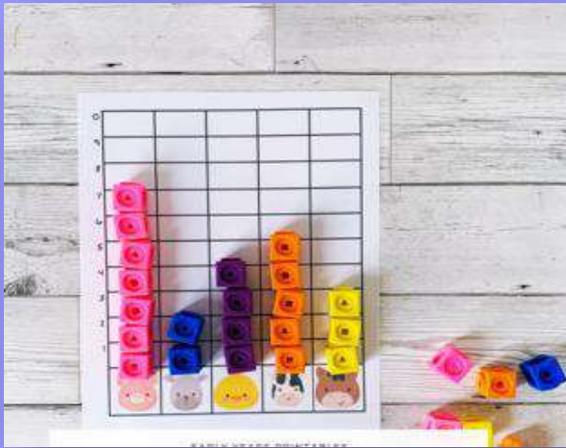
**Practice with Money Games:**

**Measurement is to find a number that shows the amount of something. A measurement unit is a standard quantity used to express a physical quantity.**

**Measurement is to find a number that shows the amount of something. A measurement unit is a standard quantity used to express a physical quantity. The act of determining size, capacity, or quantity The instruments provide accurate measurement. 2: the extent, size, capacity, or amount of something as has been**

determined The room's measurements are 20 feet by 14 feet measurement. Just like addition, multiplication is commutative, meaning the order of factors doesn't change the product (the answer). In other words, two numbers can be multiplied in any order, and the product will be the same. For example, multiplying  $8 \times 2$  will give you the same answer as multiplying  $2 \times 8$ . Data handling at primary school means gathering and recording information and then presenting it in a way that is meaningful to others. For data to be meaningful and useful the items of data must be gathered or captured and recorded in a systematic manner. This is referred to as data handling. Data handling may be as simple as orderly recording on a sheet of paper or the completion of entry forms on a computer screen. Multiplication, one of the four basic operations of arithmetic, gives the result of combining groups of equal sizes. ... When we multiply two numbers, the answer we get is called 'product'. The number of objects in each group is called 'multiplicand,' and the number of such equal groups is called 'multiplier'.





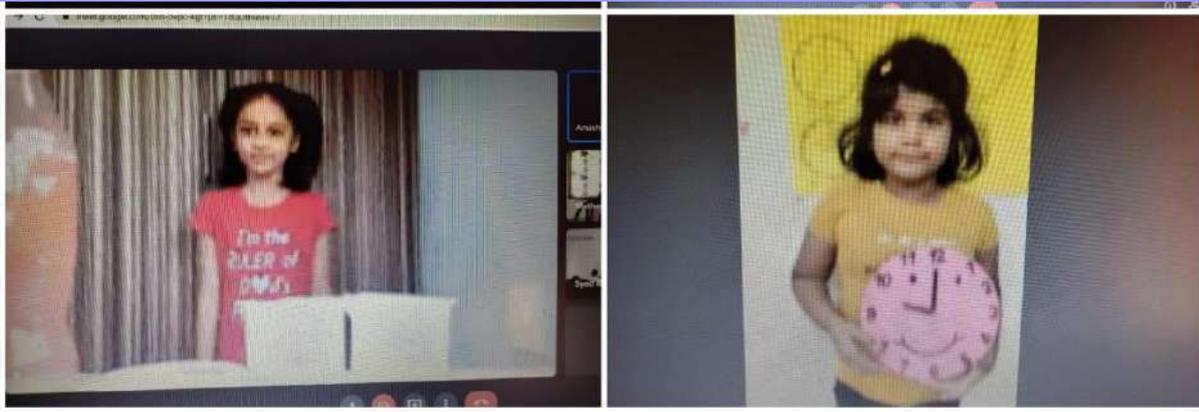
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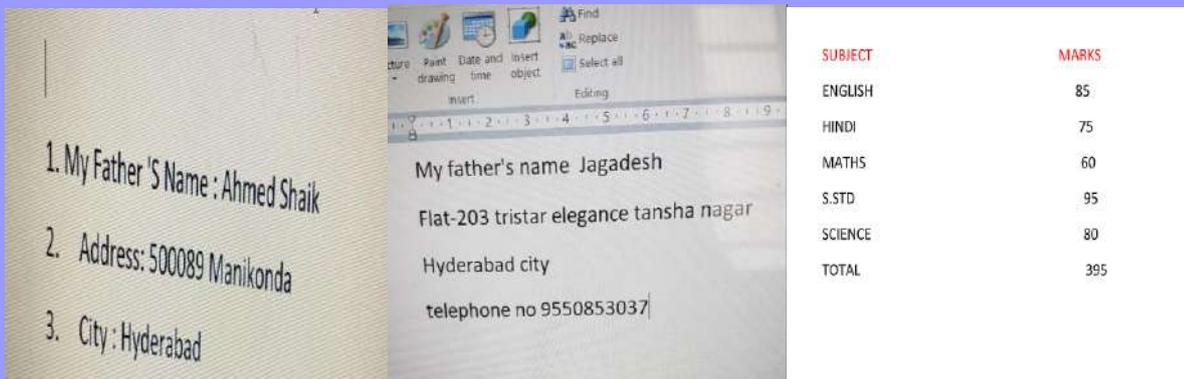
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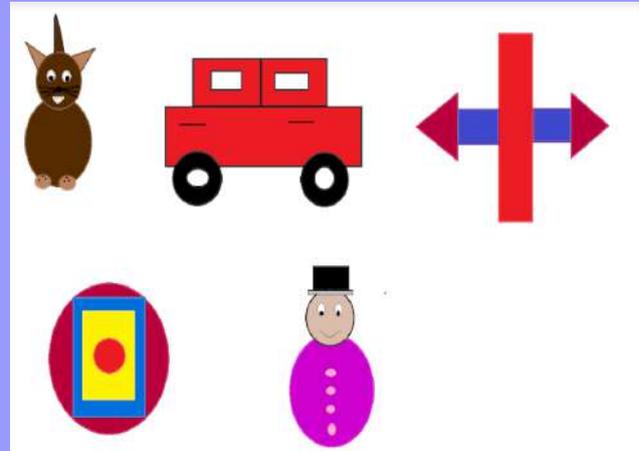
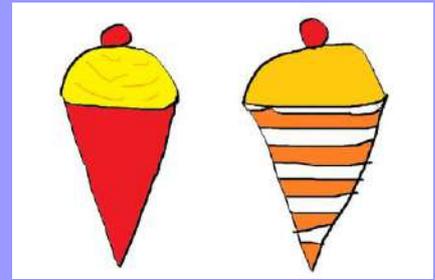
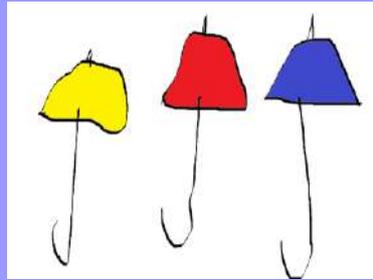
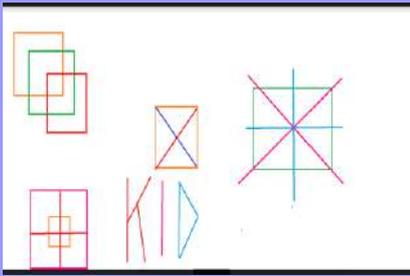


# GRADE 1- COMPUTERS

Kids really showed their interest and knowledge when they started learning new concepts of computers. “The keyboard” and “using a mouse” chapters made them to get complete idea to work on the input devices (keyboard and mouse). They created the word pad documents to show their skills in typing and lively worked with mouse to draw and colour the pictures in paint software.



Especially they enjoyed working in making beautiful paintings by using different tools in MS paint software.



**they made their great efforts to prove themselves in their learnings.**





**GRADE 2**

**-**

**NEWSLETTER**

# ENGLISH

The very First class of mine in English language was full of fun & laughter as I introduced the Grade 2 students, the concept of action words with flash cards, which was a game of learning with dancing. They were super excited as they thoroughly enjoyed it. Next, they were introduced through video lessons on parts of speech of English language on nouns, pronouns and Verbs.

Later they learnt about Blending Vowels, Digraphs and Articles, through various video lessons and they were encouraged to form simple sentence formation through writing activity. Lastly, they learnt one of the main core topics of English language, which is Tense. Here they were introduced to Simple Present Tense, Present Continuous Tense, Past Tense through Video Lessons. Students learnt Adjective. Students participated in Academic Fair. Children learnt many things through active participation. All in all, the syllabus was comprehensive and exhaustive. It was a good learning curve for the children.

In this session grade 2 children have been introduced to Rhyming words, Signal words, Tongue twister. They were elevated to learn all these new topics. And then we revised Tenses through writing activities. Students also learnt fundamental part of English Grammar which is 'Pronouns '.

Next, they learnt Question Words. They solved Puzzle.

We did various Role Play activities like Talking about tidiness, asking for help, Greeting and thanks etc.

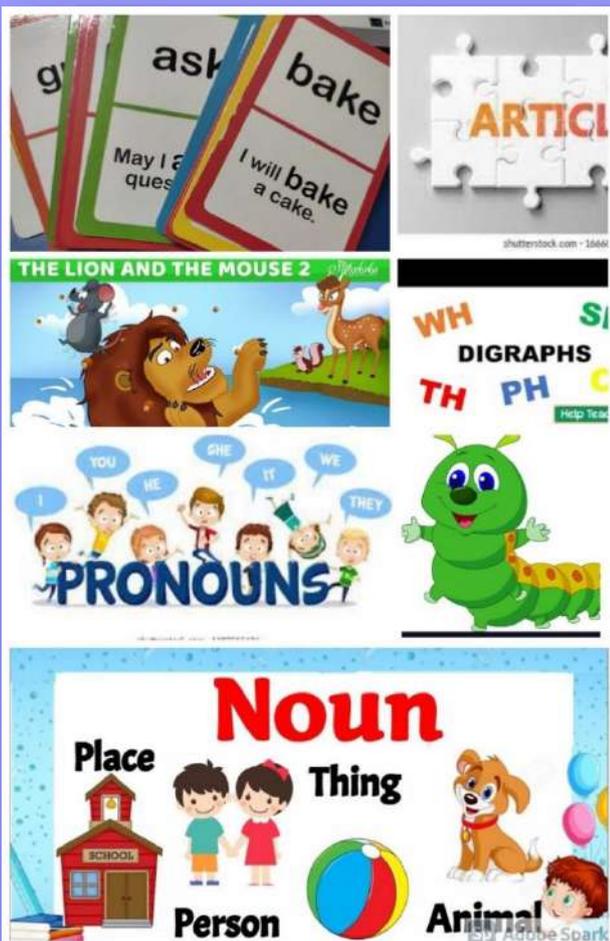
They were introduced to Three different types of writing, which are:-

1. Letter Writing

2. Play Writing

3. Describing a Prank

We did one Activity where Students were asked to make a Traffic Light Realia. They were asked to perform a song or recite a poem with their models. To make chapters more interesting we did Warmer before every chapter.









# MATHEMATICS

## MATHS

To read numbers in the thousands we put the digits into their place value columns and read from left to right in groups of hundreds, tens and units (ones). We read the hundreds, tens and units within the thousands group and then read the hundreds, tens and units place value columns afterwards. Example: How many apples are there in all? There are 7 apples in one basket and 4 apples in the other. Just like addition, multiplication is commutative, meaning the order of factors doesn't change the product (the answer). In other words, two numbers can be multiplied in any order, and the product will be the same. For example, multiplying  $8 \times 2$  will give you the same answer as multiplying  $2 \times 8$ . The act of determining size, capacity, or quantity The instruments provide accurate measurement. 2 : the extent, size, capacity, or amount of something as has been determined The room's measurements are 20 feet by 14 feet. measurement. noun. Teach the units of measurement to children. Post a chart or give each child a printout of measurements to read and learn. Help children learn the concepts of inches, feet and yards. Have them recite volume measurements like how many ounces in a cup, cups in a pint, quarts in a gallon and dry ounces in a pound. Shape patterns occur when a group of shapes are repeated over and over again. These patterns follow a certain sequence, or order, of shapes that is then repeated at least two times. The shapes can be simple shapes like circles or squares, or other objects such as arrows, flowers, moons, and stars. Patterns are things that repeat in a logical way, like vertical stripes on a sweater. They can be numbers, images or shapes. ... Patterns help

**children make predictions because they begin to understand what comes next. They also help children learn how to make logical connections and use reasoning skills. Money is a medium of exchange – it is something everyone is willing to accept in exchange for goods and services. Although money has taken many forms over time, currently it's most commonly seen as bills and coins. In Grade 2, learners will work on collecting and representing data, organising it, and analysing and interpreting it. As part of this, you could arrange a class survey which allows learners to represent this data in a pictograph. At the simplest level, it is information that we collect (knowingly or otherwise) about the world. In order to make this information useful, humans need to be able to classify, sort, organize, represent, and interpret it. Our brains collect information constantly. There are three main parts to a division problem: the dividend, the divisor, and the quotient. The dividend is the number that will be divided. The divisor is the number of “people” that the number is being divided among. The quotient is the answer. Money is a commodity accepted by general consent as a medium of economic exchange. It is the medium in which prices and values are expressed. It circulates from person to person and country to country, facilitating trade, and it is the principal measure of wealth.**

**Focus on Skip Counting (before counting money) Counting money requires that students be able to skip count by 5s, 10s, and 25s. ...**

**Teach Stop and Start Counting: ...**

**Introduce Counting Money with Coins Slowly: ...**

**Provide Visual Reminders: ...**

**Practice with Money Games:**

**Measurement is to find a number that shows the amount of something. A measurement unit is a standard quantity used to express a physical quantity. The act of determining size, capacity, or quantity The instruments provide accurate measurement. 2: the extent, size, capacity, or amount of something as has been determined The room's measurements are 20 feet by 14 feet. measurement.**

1 2 3 4

1	•	•	•	•
2	•	•	•	•
3	•	•	•	•

3 groups of 4 apples

3 fours  
 $= 3 \times 4$   
 $= 4 + 4 + 4$

Teaching Buddy

### Multiplication as Repeated Addition

$3 + 3 + 3 + 3 = 12$

$3 \times 4 = 12$

Math Teaching Resources



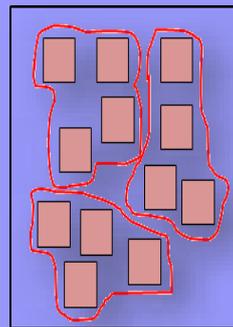


# DIVISION

Division is when we split up (or divide) a whole group into smaller equal groups.

This basket of six apples can be divided into three smaller baskets, with two apples in each.

$6 \div 3 = 2$



12 squares are divided into **3** groups.  
 Each group has **4** items?  
 Division fact:  $12 \div 3 = 4$

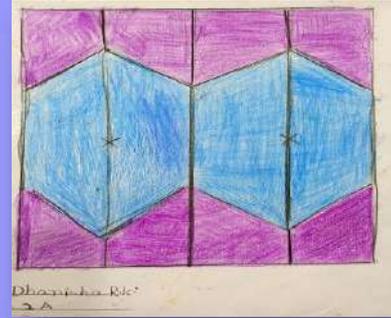
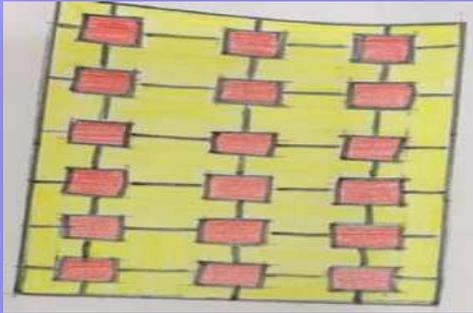


The pencil is 15 blocks long.

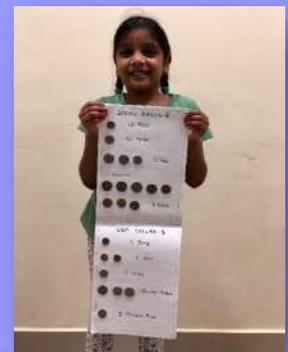
The pencil is 6 paper clips long.

The bar is 6 handspans long.

The bar is 4 'feet' long.



### Different types of Indian Coins



# **EVS**

**Through the learning of EVS the child is curious, as he/she explore, inquires, finds out, checks out their understanding and consolidates their learning.**

**In term 2 students learnt many interesting things in environment science, such as landforms, time, weather, seasons, directions, transportation, communication, occupations and festivals.**

**There is nothing like nature's beauty. Nature itself is beauty. We all are a part of nature.**

**Students of Grade 2 learnt many things about nature and nature's gifts in chapter 7 and about neighbourhood in chapter 6. Students learnt who are neighbours? what is a neighbourhood? what is a landmark? They have learnt about different place in the neighbourhood, people who help us in our day to day and the places for emergency in the neighbourhood. Children also enacted as community helpers and spoke many things about their favourite community helper.**

**Students curiously learnt many facts about the sky and the earth. Knowing about the things seen in the sky was amazing. And how sky looks in different times of the day was really interesting. Children also learnt about different landforms. Making the model of the landforms, formation of a rainbow and other activities and visualisation through many videos made students understand the concept in a better way.**



**Children learnt many uses of water and also the sources of water. They now know how important are the nature's gifts. And we all have to contribute in saving our nature.**

**Children have learnt about the time and different parts of a day in the chapter learning about time. They also learnt about the days of a week and the**

**months of a year.**

**We all know the weather changes day to day. And when this weather remains same for a period of time, it is known as season. This was learnt in the chapter weather and seasons. Knowing about seasons is an interesting thing. Different fruits are available in different season. Food habits also change according to the season. We even change our attire according to the season. These all things were discussed in this chapter.**

**We travel to different places everyday such a, to schools, offices, malls, hospitals, parks etc. The path that we take when**

moving from one place to another is called a direction. We have some common directions like, left, right, front, behind and we have four main directions like east, west, south and north. These directions were learnt in Ch.10.

As we were discussing about traveling and directions in the previous chapter, now it's time to know how do we travel? We use different means of transport to travel. Ch.11 'Travelling Around' tells all about transportation. The three ways of transportation and the fuels used for a vehicle was taught to the students.

It is very important to be connected with people and the world around us. We use different means of communication to be connected. The ancient means of communication were quite different that are from now. This was learnt by the students in 'connecting with people' chapter.

Ch.13 speaks about occupation. We see all people work hard every day to earn our livelihood. People choose different works to earn money. This is known as occupation. And children also learnt many different occupations in the society.

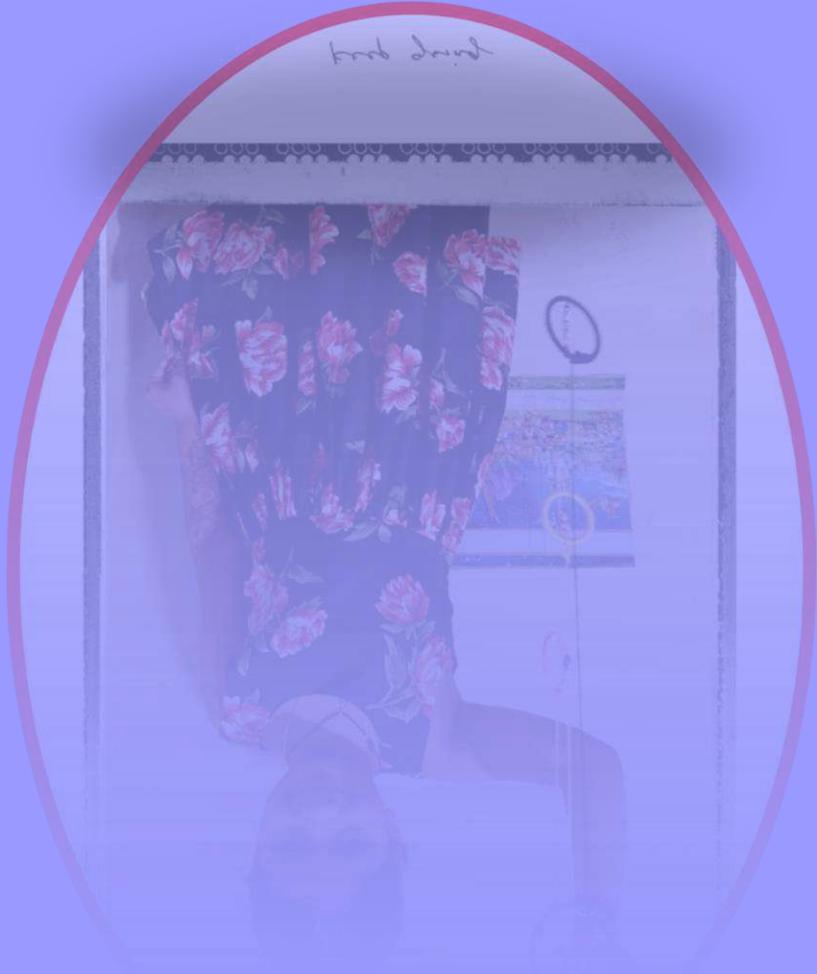
Not only working hard, we also have to have fun in our lives. This was told in the last chapter of our Evs textbook 'Having Fun'. We have fun spending time with our family and friends. India is country of festivals. We celebrate different festivals. Some are National festivals and some are religious festivals. Students learnt about all these festivals in this chapter.





Finally Evs made the students to identify the different environmental problems and understand how to deal with issues and learn values clarification in relating to environmental sensitivity.







Today is a beautiful day.





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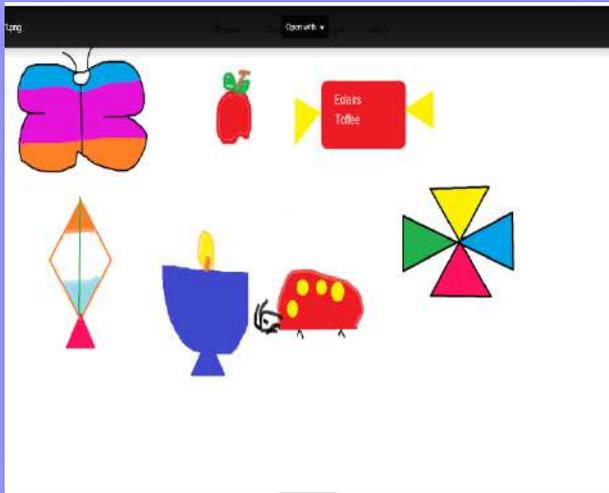
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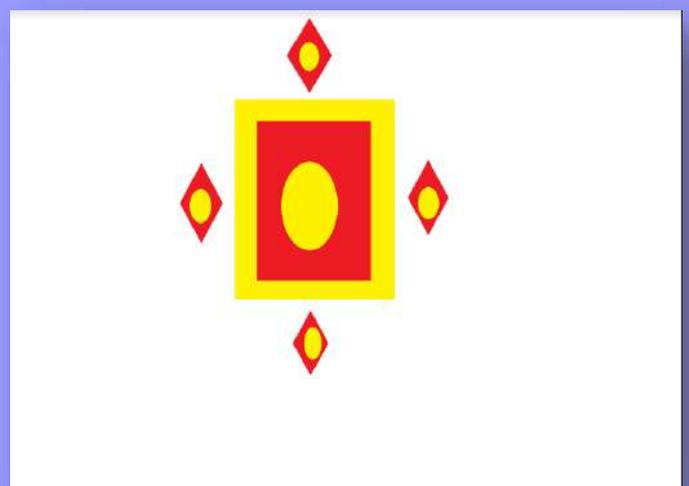
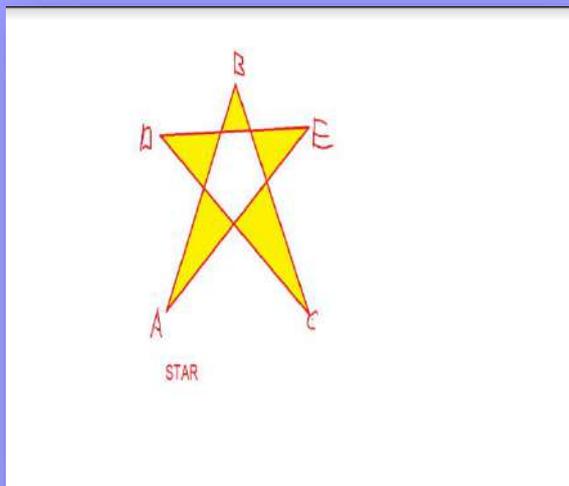
# GRADE 2

## COMPUTER

Children of grade2 continued to work with the one of the input devices (mouse). Handling a mouse, made them to learn how to use it, its types, and functions which helped them forward to word on paint and tux paint software.



In fun with paint, students by using various tools, they had tried to give their best. In continuation with paint by using different shapes they made different patterns.



**In tux paint as new application introduced with basic knowledge on the tools and their features.**

**By using various paint brushes they tried for the best level.**



# MATH NEWS LETTER

## TERM – II





**Students of grade 3 learned many important concepts in term two. The term started with great excitement and eager to learn something new. Important concept like division which is one of the basic concepts of math were introduced and kids showed the full dedication to learn something new in the class.**

**Concept like measurement, handling data, money was also taught with the help of hands on activity .Kids showed their full participation doing it.**

**All the kids were very excited to gear up for the final exam and to put their best foot forward towards it. They all were all set to go to the next level.**





**Name - Mulay sujay**

**Grade 3B**

**Activity -Role play (money)**

**Link-**

**<https://drive.google.com/file/d/1tp-oq-GeomsZDmHUTi6hu2Pv3LKP4mYn/view?usp=sharing>**



**Name-Avenash Ramesh**

**Grade 3 B**

**Activity – Role play (money)**

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Fractions



$\frac{1}{2}$  pizza



$\frac{1}{3}$  pizza



homemade Chocies



$\frac{1}{2}$  pizza

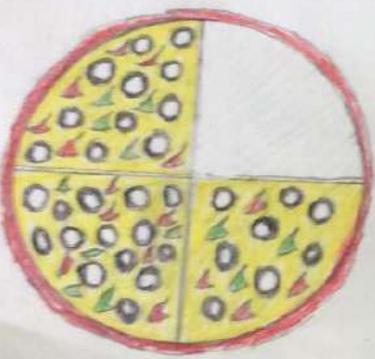


$\frac{2}{3}$  pizza

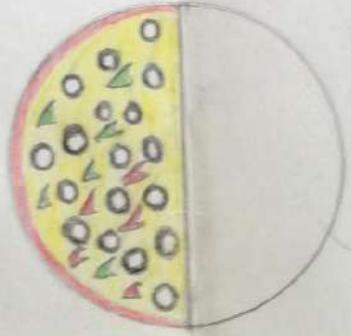


$\frac{3}{4}$  pizza

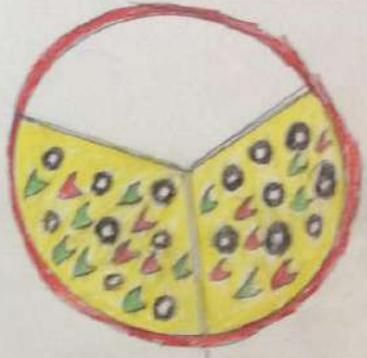
Grade 3B



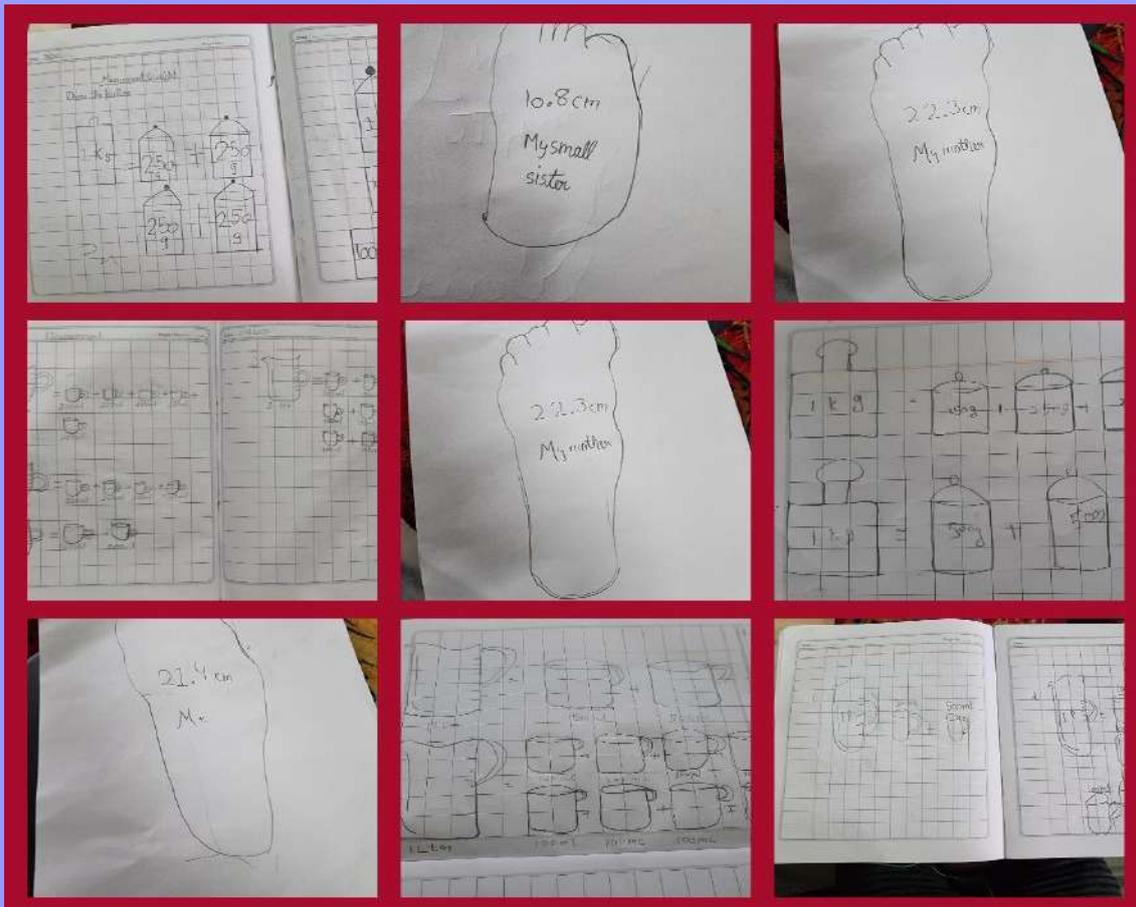
$\frac{3}{4}$



$\frac{1}{2}$



$\frac{2}{3}$



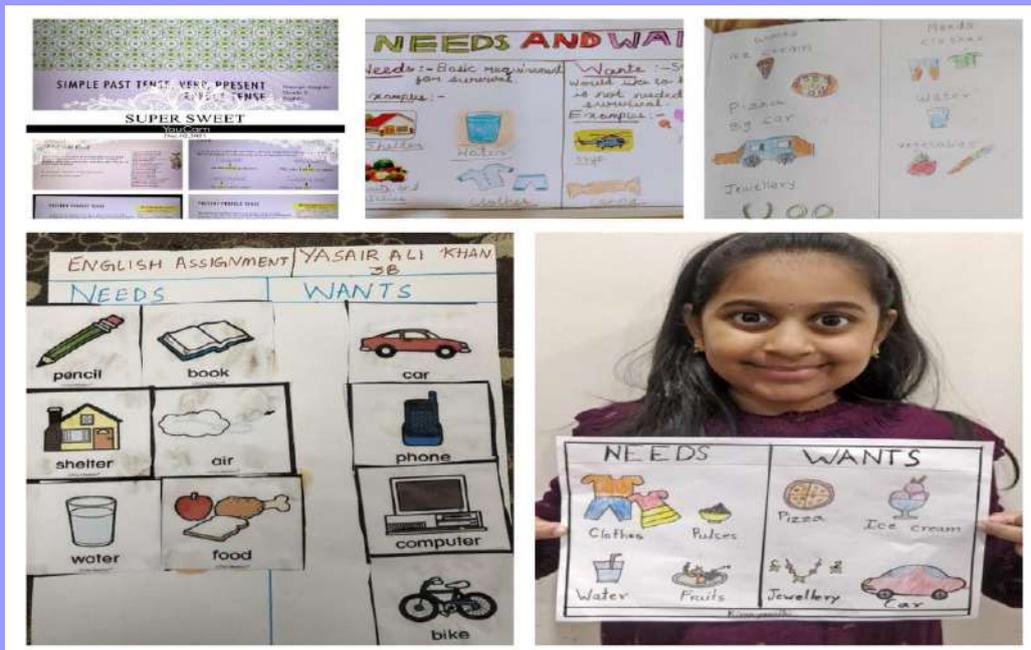
**The month of November started with great excitement for our Rockstars of grade 3. They learned the concept of Measurement of different objects and the various units for it. Apart from that they also learned how to measure different objects.**

**The next concept they learned is the concept of division and the various terms like divisor, dividend, quotient and remainder.**

**They learned how to divide 2-digit numbers, 3-digit numbers also.**

# ENGLISH

Grade 3 kids got engaged themselves in different kinds of activities. With different types of real life things like pulses, dresses, toy cars, and other home commodities, the children differentiated between 'needs and wants'



Role play of the poem 'Good Morning Merry Sunshine' highlighted the beauty of the sun. The poster on 'Degree of Comparison' made the children to learn the difficult spellings and the different forms of words. Oral discussion on the paragraph 'A family picnic' enhanced their speaking skill and critical thinking



To know further, click on the link.

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In the English Academic Fair held in the month of February, kids got an opportunity to portray their skills, creativity and talents on the particular topic that was given to them. The students were elated and discovered themselves further.



# NEWSLETTER

## GRADE 3

### TERM II

**THIS TERM CHILDREN LEARNT ABOUT THE MOST INTERESTING TOPIC OF THE SOLAR SYSTEM ABOUT EACH PLANET IN DETAIL. ALSO THEY EXPLORED ABOUT SOIL AND DIFFERENT TYPES OF SOIL IN DETAIL. ALSO WATER CYCLE, EVAPORATION AND HOW WE GET WATER STUDENTS LEARNT DIFFERENT TYPES OF SEASONS AND THEY AFFECTED LIVING THINGS.**

**MOVEMENT OF EARTH, ROTATION, REVOLUTION AND DAY AND NIGHT WAS LEARNT BY CHILDREN.**



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[https://drive.google.com/file/d/1U9IS3PDBFclnq\\_mr3Ky4kiiL\\_j6dbC1L/view?usp=sharing](https://drive.google.com/file/d/1U9IS3PDBFclnq_mr3Ky4kiiL_j6dbC1L/view?usp=sharing)

# GRADE -3

## (SOCIAL SCIENCE)

Kids were surprised to know about early human when chapter early human was introduced. They have learnt about birth of early humans, life of early humans as hunters- gatherers, making use of fire and Hunter - gatherers to farmers. They have made their own stories on early huma

Little champs learnt about different occupation with great interest when they acted what they want to be in their future. All this wonderful journey started when chapter occupation was introduced, they learnt about what is an occupation, have



also learnt about difference between occupation and profession.

<https://photos.app.goo.gl/4C6JYZuFXexGtQXC8>

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## Future of India



**NEWSLETTER**

**(TERM II)**

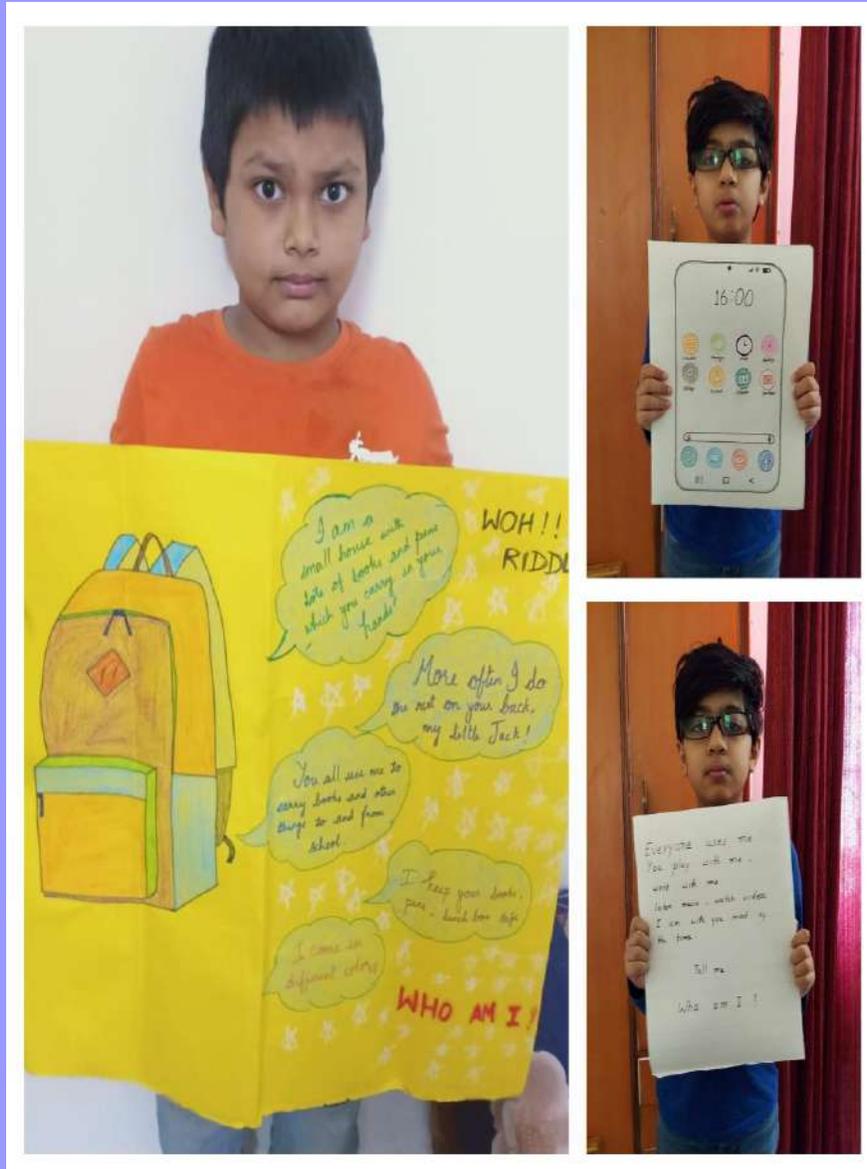
**GRADE 4**

# ENGLISH



*All would be pilots of Grade 4, came up with the concept of aircraft making activity. The poem 'I want to be a pilot' was given a dose of reality with the models of aeroplanes made by the kids.*

*Class room interaction further made THEM SHARE THEIR IDEAS ABOUT THEIR AIM IN LIFE.*



**The riddle game: The students had to wreck their brains with the clues given to decide the appropriate word that fits in all the clues. There was fun, laughter, intelligence check and many more**



**Environmental protection is an alarming issue that all the students must be aware of. A speaking activity " what will happen if the trees are cut down" were conducted, in which Grade 4 kids has draws posters on preserving our planet earth.**



**Please click on the links below to know more about environmental protection**

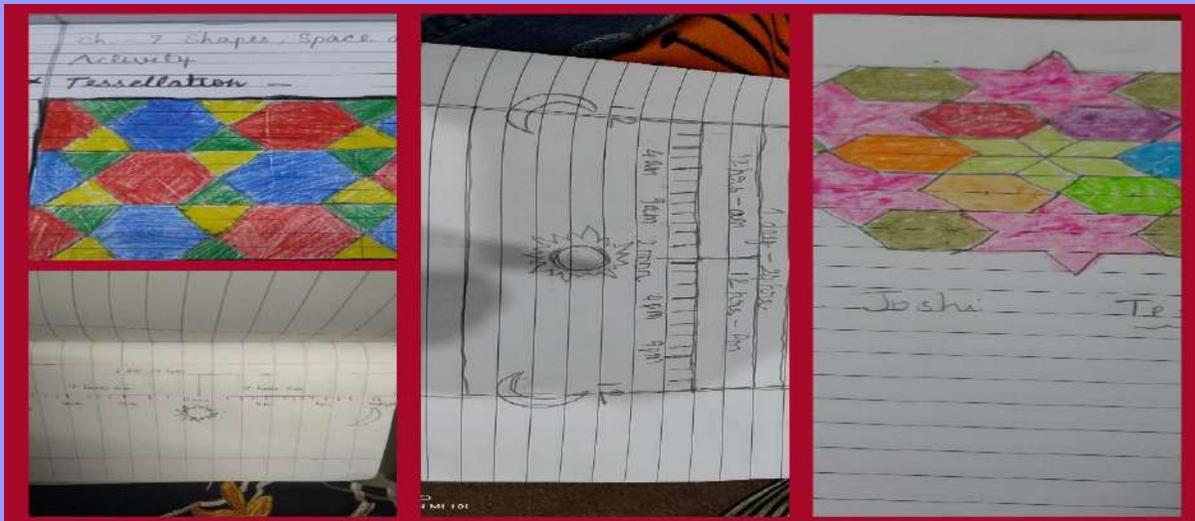
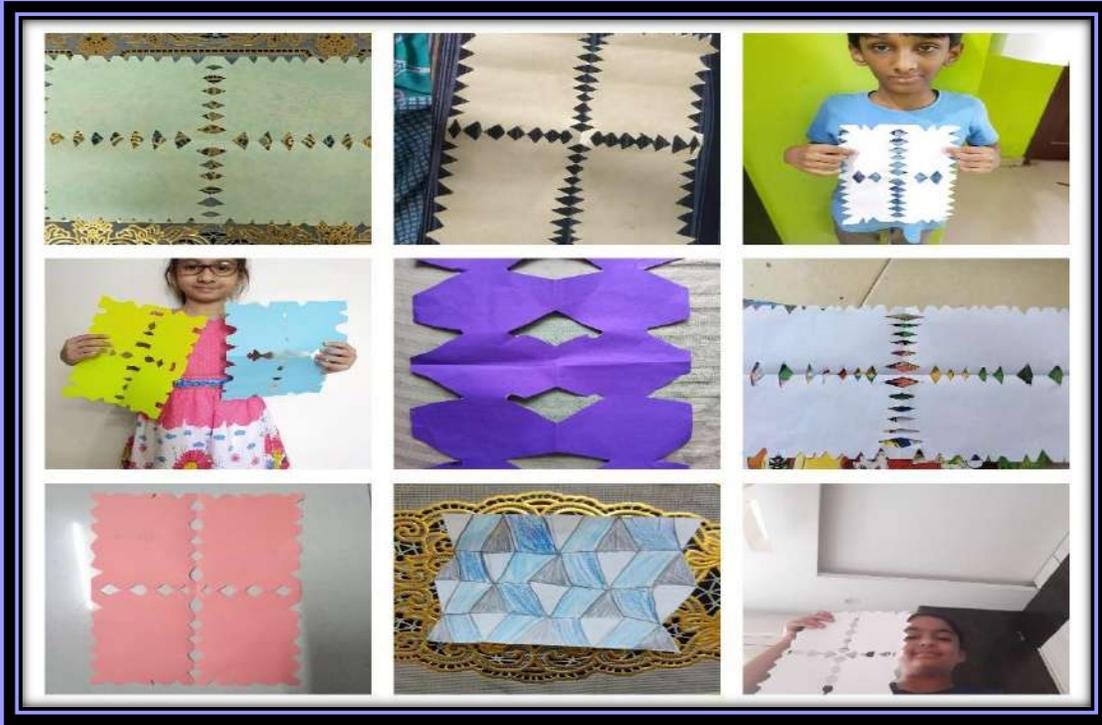
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**[https://drive.google.com/file/d/1ApljBWybl\\_sssGDWNejML9BKikpweZ2o/view?usp=sharing](https://drive.google.com/file/d/1ApljBWybl_sssGDWNejML9BKikpweZ2o/view?usp=sharing)**

**In the English Academic Fair, each and individual student got an opportunity to portray their skills, creativity and talents on the particular topic that was given to them. The students were elated and discovered their themselves further.**



# MATHS



**Our little genius of Grade 4 started term II with great enthusiasm and all were super excited to learn something new .They learned new concept like fraction and its types ,decimals , shapes ,space and pattern was some much fun for all of them .**

**The kids measured the real-life examples in the concept of measurement. They learned the concept like finding out perimeter and area for the very first time they did numerous activities in all the concepts. They all geared up for the final exams and all were ready to perform their best and go to next level.**



**Activity -Area**

**Grade – 4**

**Name -Abubakr Sayed**

**Link-<https://youtu.be/WOLrd61mThI>**

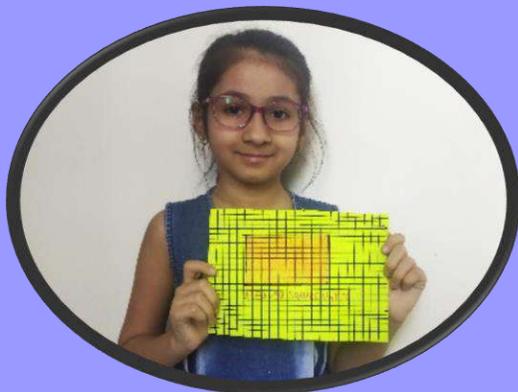


**Our little Einstein's of Grade 4 started the month of November with great enthusiasm.**

**The concept learned in this month was Fractions. They started the month by revising the concept learnt in previous class followed by types of fractions, comparing the fractions, arranging the fractions in ascending and descending order.**

**The next concept the learned is decimals how to convert decimal into fraction, the place values etc.**





**Name –Kashish Relwani**

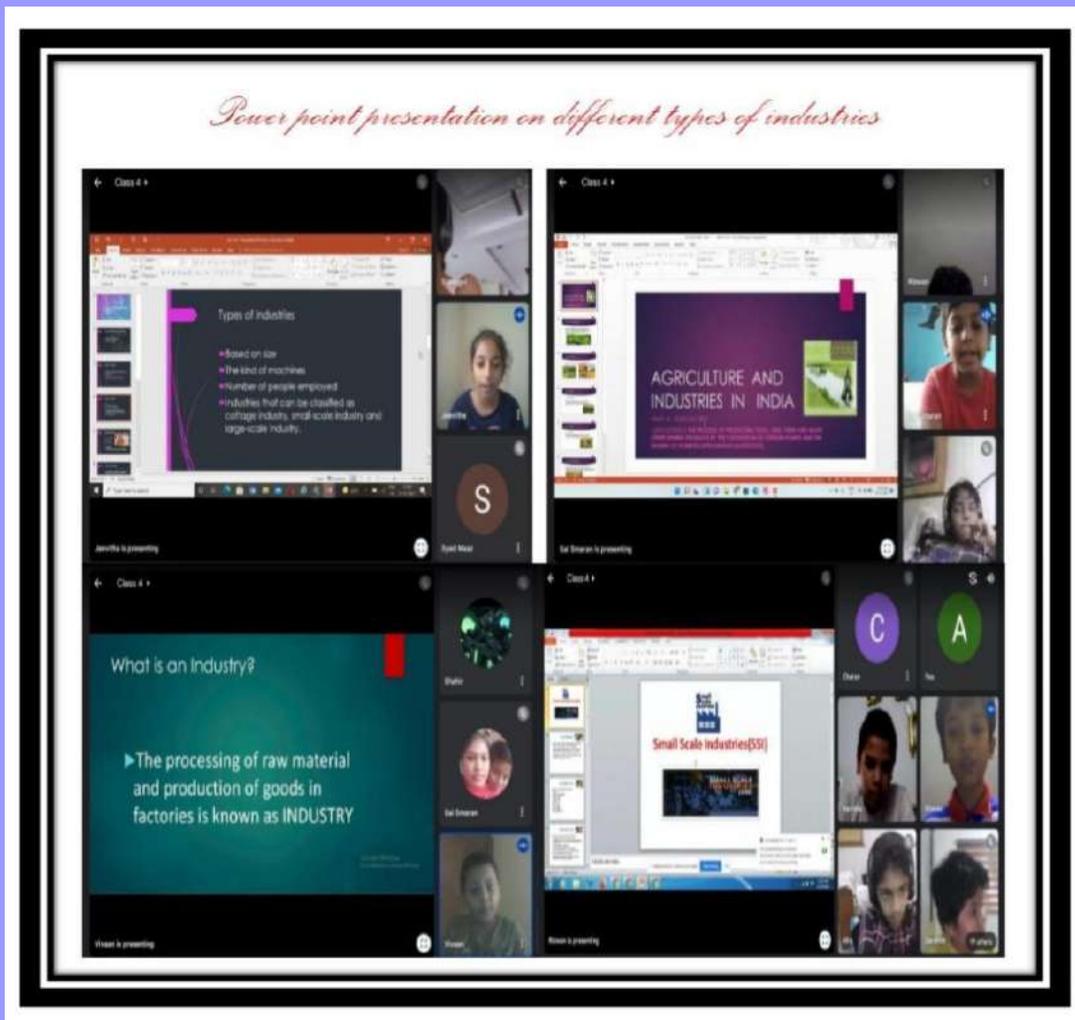
**Grade -4**

**Link-**

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# SOCIAL SCIENCE

As the chapter Agriculture and industries in India continued students came to know about different types of industries that are there in India. They have learnt about cottage industry, small scale and large scale industry. They have done PowerPoint presentation on different types of industries.



**Learning by doing is great way to understand any concept. Champs have understood the concept of producing and consuming by actually becoming producer and consumer of goods while learning chapter Producing and Consuming goods from chapter they have learned concept of goods and markets.**

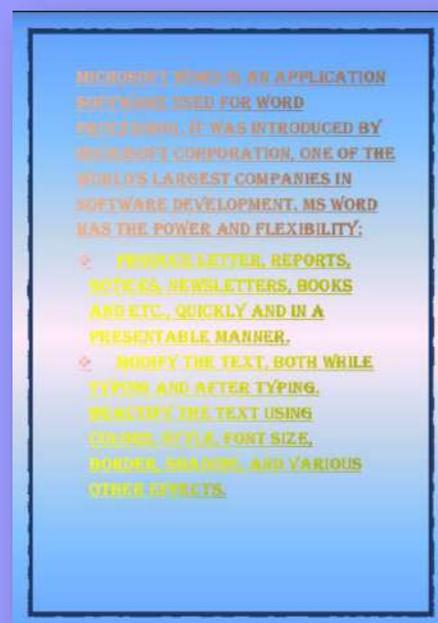
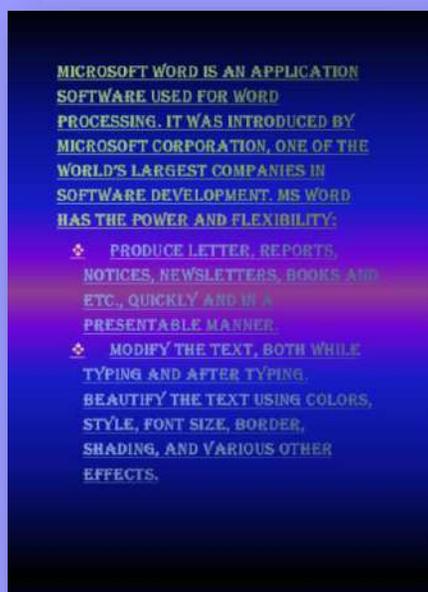
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# COMPUTERS

Having started with MS word, where editing, copying, selecting, moving and deleting text, checking spelling and grammar, thesaurus etc. gave the complete idea of working with a word document. Students lively shared their screen and performed the all operations even with their shortcut keys. Extending to format with various font effects – size, color, style, color.



KNOWLEDGE IS INFORMATION. IT  
IS POTENTIAL POWER, BUT IT  
BECOMES POWER, BUT IT  
BECOMES ONLY WHEN IT IS  
ACTED UPON.

LEARNING IS LIKE EATING FOOD. IT  
IS NOT HOW MUCH YOU EAT THAT  
MATTERS. WHAT COUNT IS HOW  
MUCH YOU DIGEST.

**LOGO commands, where kids worked on different commands to form various shapes and continued with the mathematical function in it. In extension to the logo commands they tried the writing procedures to form the shape by giving all the set of commands at once. By sharing the screen they performed the tasks and showed lively. In MS power point, students were introduced with the basic knowledge with its features to work. They really worked on power point to make the presentation with simple topics.**





**NEWSLETTER**  
**(TERM II)**  
**GRADE 5**  
**SCIENCE**

**This second academic term students started with the biology topics like skeletal and nervous system, in which they learnt about different joints, muscles and how our movement takes place. In nervous system they learnt about the major organs comprising of our nervous system like brain, spinal cord and nerves. They gained basic knowledge about machines, light and shadow in detail. They also learnt topics related environment, solar system in detail.**

**They explored environmental science topics like disaster management also, that can be useful to them when needed. With lots of hands on activity kids enjoyed the subject and understood the concept as well!!**

**Link for more pictures and videos-**  
**<https://drive.google.com/drive/folders/1UctkUcLAc03IY6Vglz64YOVJUfu2LonQ>**



# ( ENGLISH)

## “EVERY RIGHT, FOR EVERY CHILD”

CHILDREN AND YOUNG PEOPLE HAVE THE SAME GENERAL HUMAN RIGHTS AS ADULTS AND ALSO SPECIFIC RIGHTS THAT RECOGNIZE THEIR SPECIAL NEEDS. EVERY CHILD SHOULD BE AWARE OF THESE RIGHTS. THE CHAPTER IN READER BOOK “ I’M AWARE OF MY RIGHTS” HAS HIGHLIGHTED THE IMPORTANCE OF SOCIAL RIGHTS THAT EVERY CHILD SHOULD BE BENEFITTED WITH.



**“DIVIDING WORDS INTO PARTS , OR “ CHUNKS” HELPS SPEED THE PROCESS OF PRONOUNCIATION”.**

**THE CHAPTER OF SYLLABLE BREAKING HAS HELPED EACH ONE TO READ THE WORDS MORE ACURATELY AND FLUENTLY. APART FROM THAT, SPELLING MISTAKES HAVE REDUCED TOO AFTER ACQUIRING A KNOWLEDGE OF SYLLABLE BREAKING.**



**The academic fair held at the end of February provided abundant opportunities for all the kids to discover themselves. Starting from model presentation to role plays and posters it was an amazing performance by all the students. It not only boosted up their confidence but encouraged and enhanced their creativity. The kids are preparing themselves to do further better in the coming years to come.**



**Interested to know more!**

**Click**

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<https://drive.google.com/file/d/11kSS9Uz9I5qbAmZ1a8MSRIO1fYAUTmM/view?usp=sharing>



# (SOCIAL SCIENCE)

Children were excited to learn about different ways to handle pollution and disasters. When chapter handling pollution and disaster was started. They made first aid kit and learnt how and when to use it, they have also learnt about meaning of pollution , forms of pollution, ways to reduce pollution, meaning of



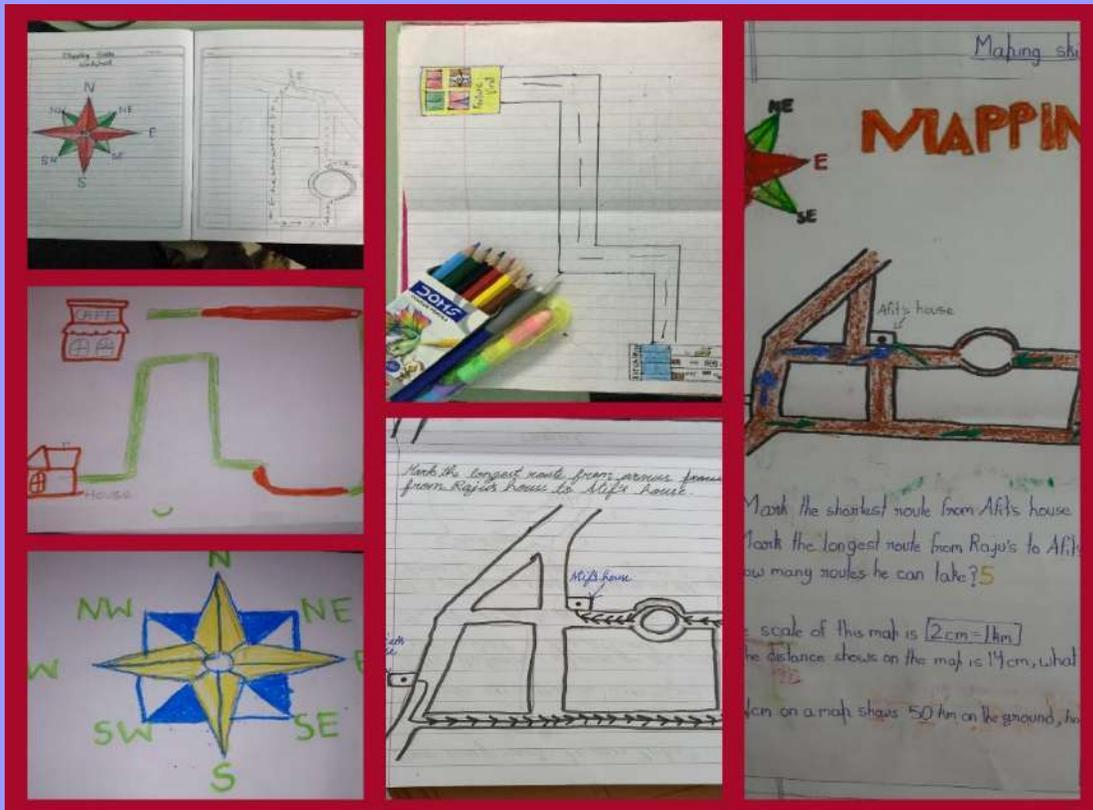
disaster, natural disasters and about man-made disasters. They made posters on save earth for creating awareness among people.

Students were excited to know more about money and its value when chapter money and market Producers and consumer of

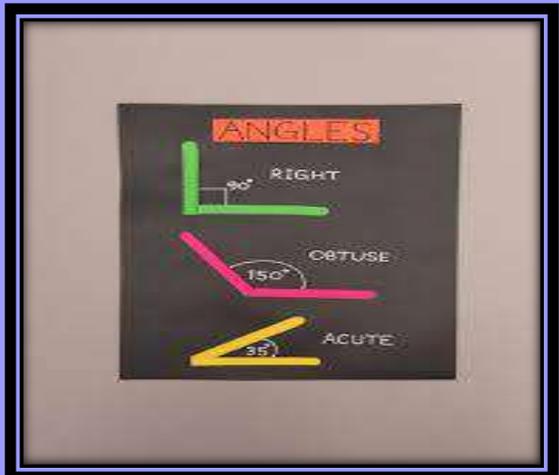
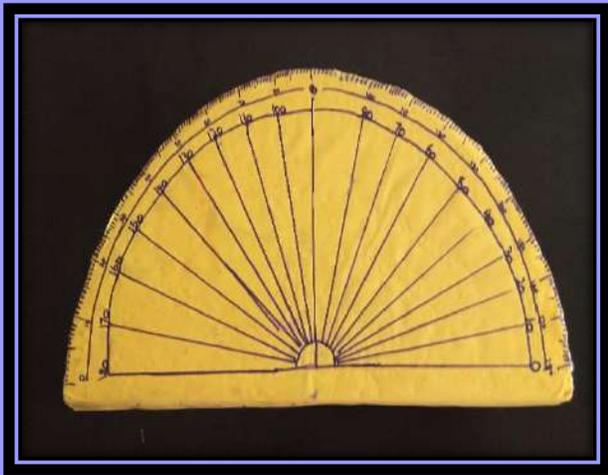
goods and services and also they have made chart on different currencies that are used throughout the world was introduced. They have learnt about money, Indian currency- the rupees, money and its uses. They have learnt this chapter by doing various activities like they have acted like actual



# MATH



Our super stars of Grade 5 kick started their term 2 with great enthusiasm. They learned concepts like Shapes, pattern and nets in which they not only learned about nets but also nets and its uses. Geometry was something very new and interesting to learn learning about angles and making it was so much in the class. Measuring the objects and converting it was a real fun .Time , temperature was also one of the hot topic among our fifth graders .Mapping skill and knowing its importance was great thing to learn followed by topic handling data .



**Our gem stones of grade 5 were very thrilled to start the month of November. They learned the very important concept of Decimals like to compare the decimals, arranging them in ascending and descending order, division of decimals and addition and subtraction of decimals.**



**Activity – Volume**

**Student's name-Sahasra**

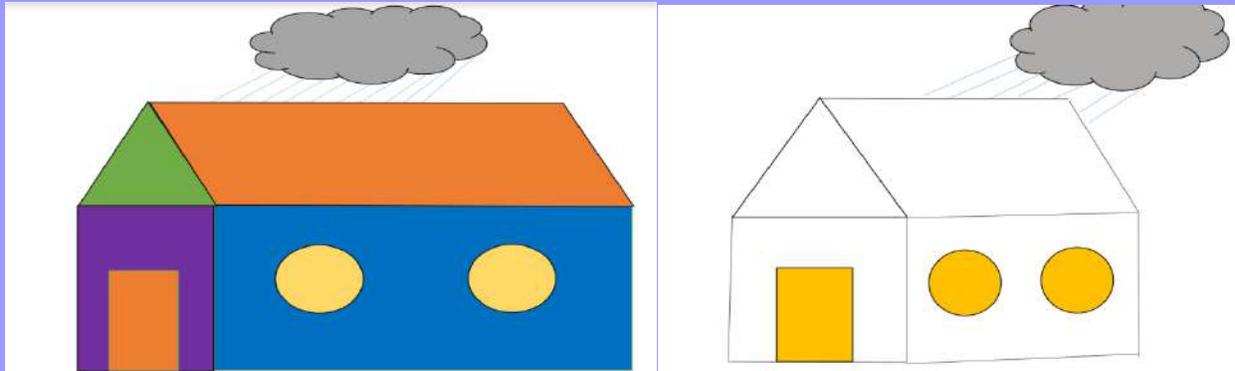
**Grade - 5**



**Link-<https://drive.google.com/file/d/1pkkRPudkdCipDav7gwGh-WF0fIU02v5u/view?usp=sharing>**

# GRADE 5 – COMPUTERS

In continuation of MS word suite, various concepts like built – in styles, word art, text box, working with shapes for drawing etc. made to gain the complete knowledge on tools provided.



How to create the tabular data in word via inserting table made them to understand the structure and basic format options of tables in MS word.

Roll no	Name	math	social	ENG
1	Saavikosh	99%	98%	100%
3	Lalith Aditya	90%	99%	98%
4	Abhiram	88%	100%	76%
6	Sushanth	75%	77%	94%
8	Zaynah	67%	85%	86%

s.no	Name	English	Math	Social studies	Computer
1	Abhiram	60/60	100/100	58/60	25/30
2	Abhi	55/60	69/100	56/60	29/30
3	Aarush	50/60	50/100	50/60	20/30
4	Sushant	55/60	98/100	57/60	27/30
5	Deekshita	58/60	96/100	59/60	28/30

Students made the basic marks table in word.

The basic knowledge on both power point and excel gave the students to differentiate these suites where can be used and its best suited features. They tried to prepare the files of each suite with simple topics by which they gained the clear idea to use.



Students created the ppt on topic school education which is in slide sorter view which shows all the slides at once and can change or shift the slides by dragging the slide to required place.

Then with the algorithm and flowchart, as introduced newly in short with basic daily examples students learnt to create and design them. Lastly, they came to know the basics of internet and e-mail through which we can communicate and work in real time very easily.<sup>1</sup>

# **GRADE 6 - ENGLISH**

**As the exams are right at the corner, we have ensured that students are ready for the offline mode of examination. This is done by mock tests, revision classes and continuous assessments. Revision classes go beyond the text books and include videos and songs for better comprehension. It is indeed a remarkable feat for the students as they have shown extraordinary fervour in both theoretical and practical fields.**

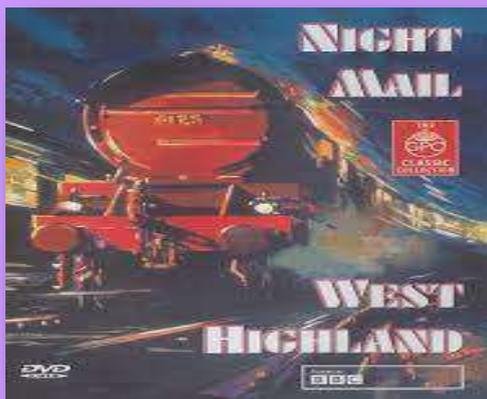
**The sixth graders continue to communicate and use English language appropriately and develop and integrate the use of four language skills, i.e. reading, listening, reading and writing. The students get an opportunity to hone their skills in the form of regular and thorough practice for their performances in the Academic fair. They have put conscious effort and worked on their accent, tone and speech to ensure refined performances**

**Grade 6 has moved from understanding and communicating to drawing conclusions about things and trying to convince others. They learn to think for themselves, revise their ideas and dig to find answers to questions that challenge them. The aim for grade 6 in English curriculum to enable the learner to communicate effectively and appropriately in real life situation, to use English effectively for study purpose across the curriculum, to develop interest in and appreciation of Literature, and to develop and integrate the use of the four language skills i.e. Reading, Listening, Speaking and Writing.**

**The writing section is very useful for language skill development. Students involve themselves in various activities like Formal letter writing, notice writing, etc. This part not only helps them to improve their writing skills but also helps in building a base for professional development.**

The grammar part focuses on the improvement of language skills. It deals with basic concepts like verbs, adjectives, helping verbs, pronouns, nouns, etc. The section also trains the students to frame proper sentences to easily communicate by using the second most spoken language in the world. It is designed considering the uses of the English language in real life. The section includes the parts which can help develop good oral communication skills. Sections like gap filling improve the decision-making skills of the students when it comes to framing a sentence. The editing section of the applied grammar helps students correct the wrong statements or the language formation with the right ones. It improves the judgmental power when it comes to grammar.

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#### Letter to the Editor Format

- Sender's address
- Date
- Receiving Editor's address
- The Subject of the letter
- Salutation
- Body(Paragraph 1, Paragraph 2, Paragraph 3)
- Complimentary Closing
- Sender's name, signature, and designation(if any)

## My Chicken's On the Internet



My chicken's on the Internet.  
 She \_\_\_\_\_ the web all day.  
 I've tried to stop her browsing  
 but, so far, there's just no way.

She \_\_\_\_\_ on the mouse  
 and then she flaps around like mad  
 to click on every hyperlink  
 and every pop-up ad.

She \_\_\_\_\_ all sorts of chicken games.  
 She \_\_\_\_\_ her folks.  
 She \_\_\_\_\_ chicken videos  
 and \_\_\_\_\_ chicken jokes.

She \_\_\_\_\_ a blog for chickens  
 and she \_\_\_\_\_ chicken pics.  
 She \_\_\_\_\_ chicken chat rooms  
 where she clucks about her chicks.

I wouldn't mind so much  
 except my keyboard's now a wreck.  
 She hasn't learned to type yet;  
 she can only hunt and peck.

Kenn Nesbitt

Use these verbs in appropriate form to complete the poem.  
*message, surf, write, watch, jump up,*  
*visit, upload, forward, play*



Name of organization/institute or office

### NOTICE

Date:

Topics/ Heading/ Subject

Write the body contents.....

Signature

Name

Designation

### Active voice

Tells us what a **person or thing does**.  
 The subject performs the action  
 (verb) on the object.

**Subject + verb + object**

**Example:**

- Anna painted the house.
- The teacher always answers the students' questions.
- All posted the video online.

### Passive voice

Tells us what is done to someone or  
 something.  
 The subject is being acted upon.

**Object + verb + subject**

**Example:**

- The house was painted by Anna.
- The students' questions are answered by the teacher.
- The video was posted online by All.

## The Listeners by Walter De La Mare



## A REAL FEAST

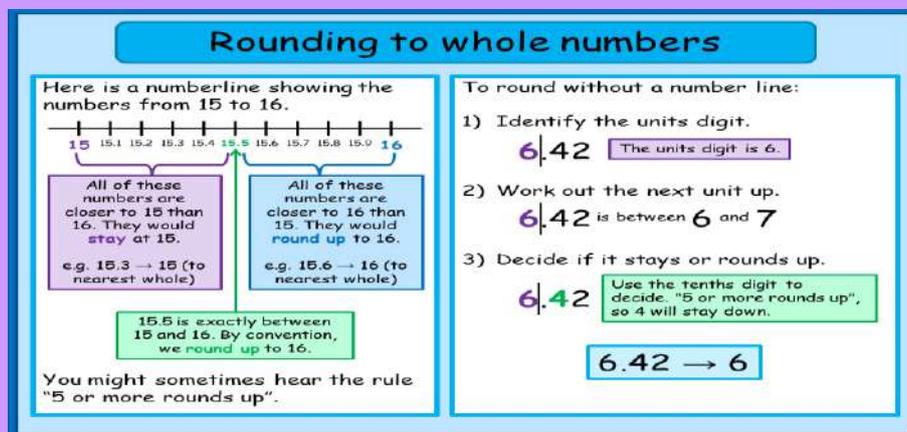
A KASHMIRI FOLK-TALE



# MATHEMATICS

Numbers are important. Whether costs, revenues, performance, targets – most people agree that numbers are important. Interpretation of these numbers is key; the numbers can influence decisions related to performance, investments and effectiveness among other things. Mathematics has a number of very useful benefits to our mind if we go into its study. It develops our reasoning, helps us to have analytical thinking, quickens our mind, generates practicality and also its use can be applied in the day to day. The mathematics is present in our daily lives.

Mathematics is a methodical application of matter. It is so said because the subject makes a man methodical or systematic. Mathematics makes our life orderly and prevents chaos. Certain qualities that are nurtured by mathematics are power of reasoning, creativity, abstract or spatial thinking, critical thinking, problem-solving ability and even effective communication skills.



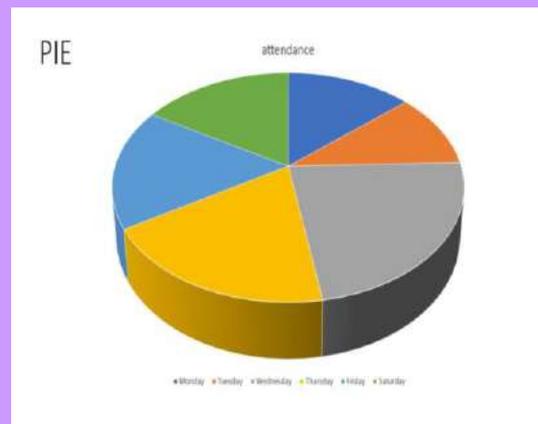
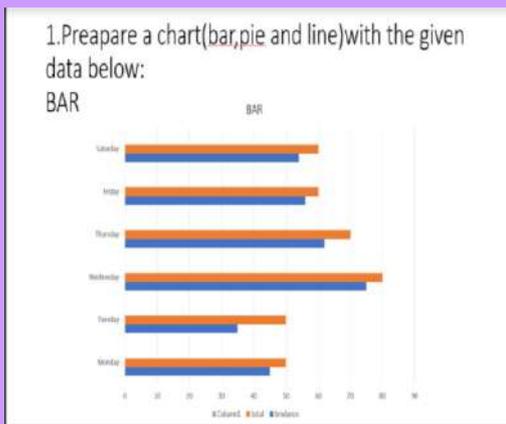
[https://drive.google.com/file/d/1ag0tw7Fup8wMxwboy-p8\\_HuSpOCZUBjh/view?usp=sharing](https://drive.google.com/file/d/1ag0tw7Fup8wMxwboy-p8_HuSpOCZUBjh/view?usp=sharing)

(Raghavendran)

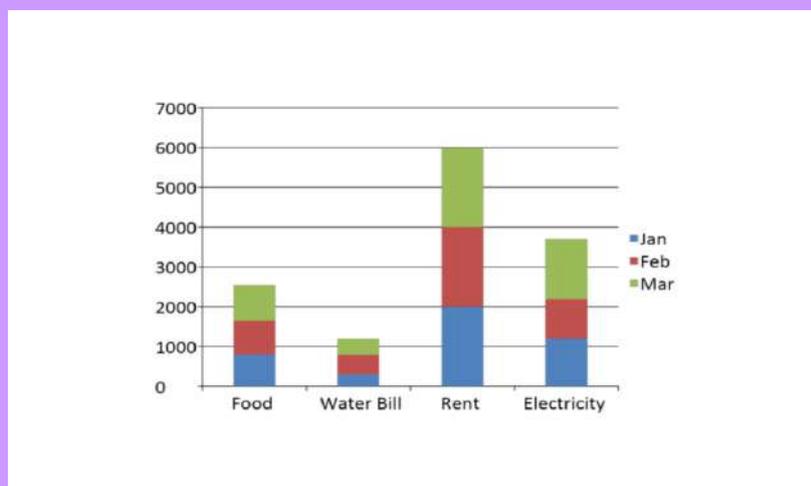
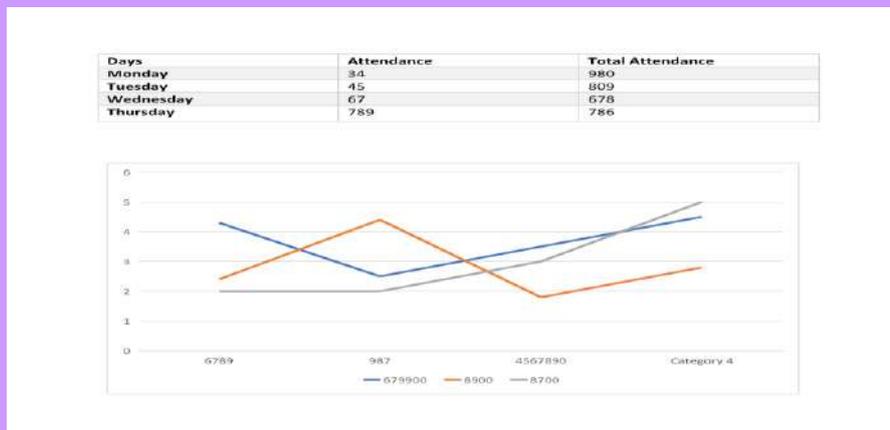
<https://docs.google.com/presentation/d/1bMGjErje-fWbEGpGHYU0dTslb3vym1SCp5iEGyK3wc/edit?usp=sharing> (Yuvan)

# COMPUTERS

Students of grade6, started learning with the specific suite of Microsoft office in detailed with all tools of it. Through power point, they learnt to insert tables with data formatting and various charts. Slides formats such as layouts, animation effects, transitions, sound and video options etc. helped them to make the creative presentations on their own ideas.

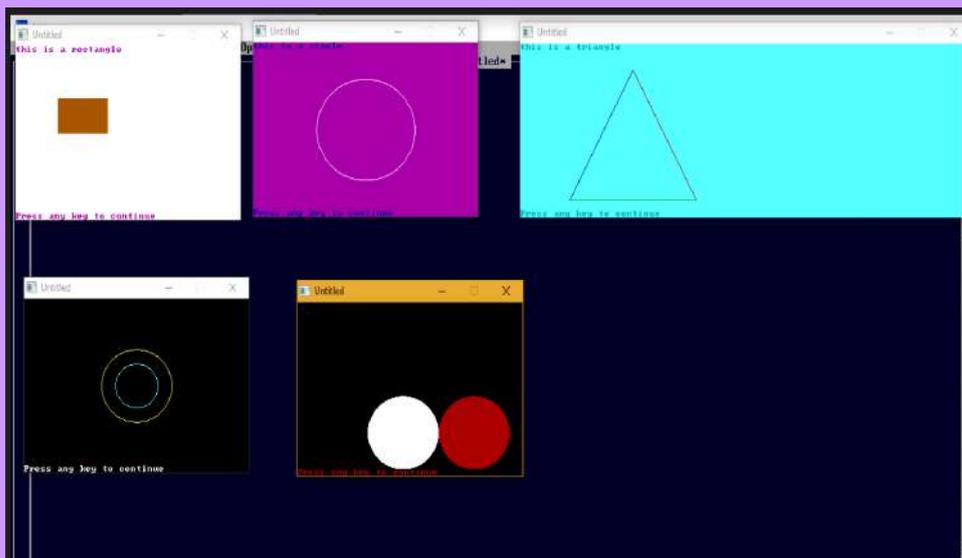
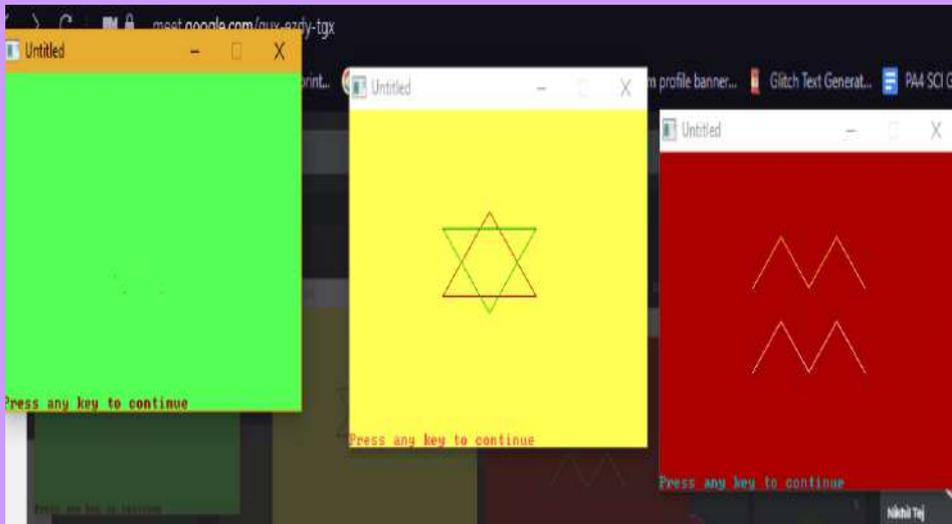


Students learned and tried with various charts to know the changes with data.



**In addition to work with tabular data in excel sheet in basic, this time they worked through formulas to understand how easy to maintain an excel data with smart mathematical ideas.**

**QB64, one of the new programming languages has introduced. Students learnt and practiced many programs by executing with results.**



**They have done the program execution of graphics with all parameters and received the outputs as shown.**

**Lastly, through the chapter Internet Services, they learnt the real time services and their working in basic.**

# SOCIAL STUDIES

The social sciences are important because they help people understand how to not only analyse their own behaviour, but also the behaviour and motivations of their peers. The social sciences also give us a better understanding of how to create more inclusive, and effective institutions.

Students of grade VI learnt in History about  
Topics

LS- 9,10 11,12

Reappearance of Urbanization

Contact with other parts of the world

The Gupta Period

Our cultural and scientific wealth

The Objective of teaching this lesson is to make the students know about

- How the people in ancient India and other parts of the world contacted each other
- Trade and trader, new kingdom along the coast, the story of Silk route, spread of Buddhism, quest of the pilgrims, the beginning of Bhakti era
- Understands the context of why new ideas and religions developed during this period and can analyse the basic ideas and values associated with them.



## Geography

### Topics

LS-7 Our Country- India

LS-8 India- Climate, Natural Vegetation and Wildlife

### Learning Outcome

- The students will be able to locate different states/UT/neighbouring countries, mountains, plateaus, rivers and deserts of INDIA on the political map of India.
- They also learn about the different types of forests and importance of wildlife and forest conservation.

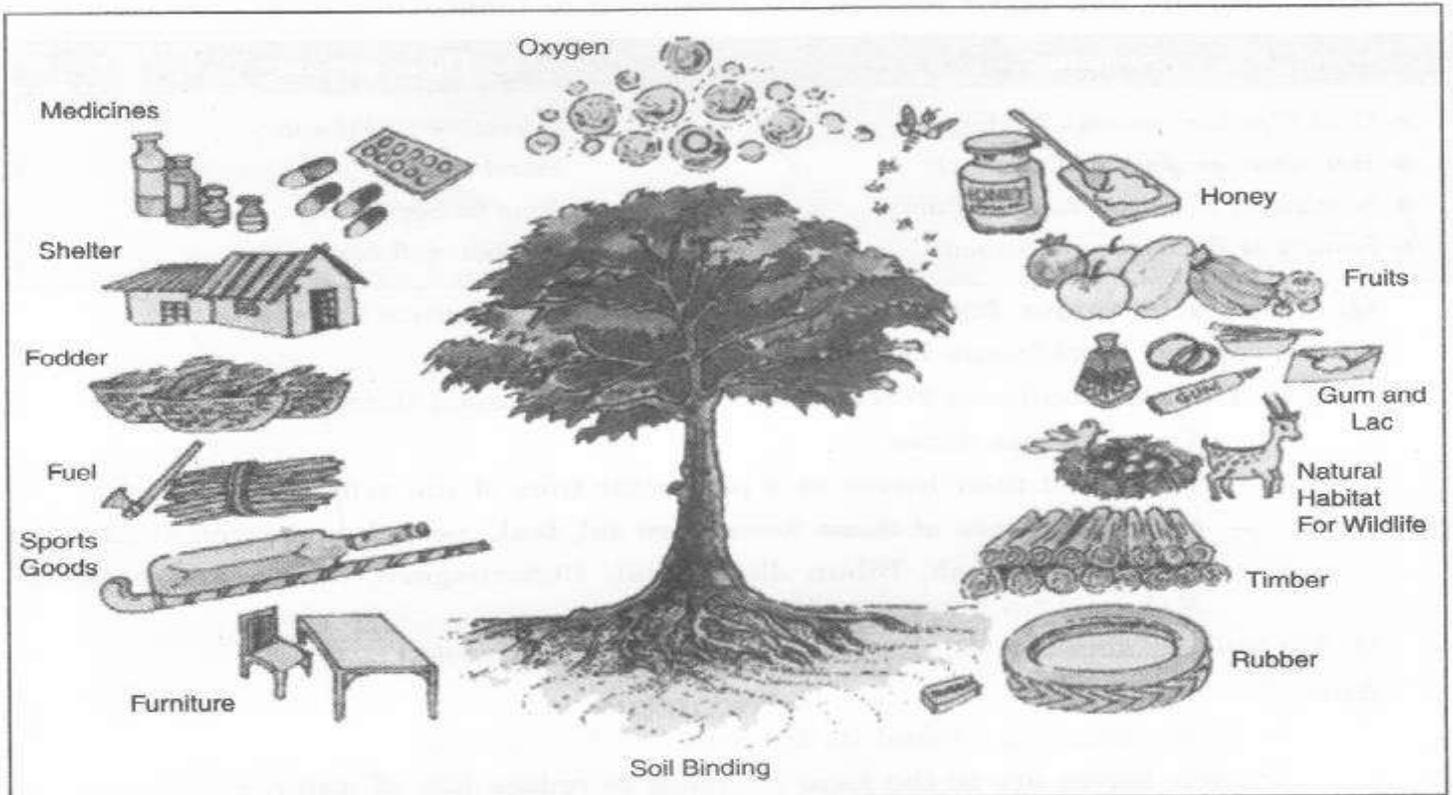


Fig. 8.7. Uses of forests

## **SPL**

### **Topics**

**Ls-7,8,9**

**Urban Administration**

**Rural livelihood**

**Urban livelihood**

### **Learning outcome**

- **Students will understand the working of Police Station, Maintenance of Land Records, Patwari and his/her responsibility**
- **Understands the various dimensions of Urban Administration. Describes the functioning of urban local government bodies in sectors like health and education.**



***Urban vs. Rural***

# SCIENCE

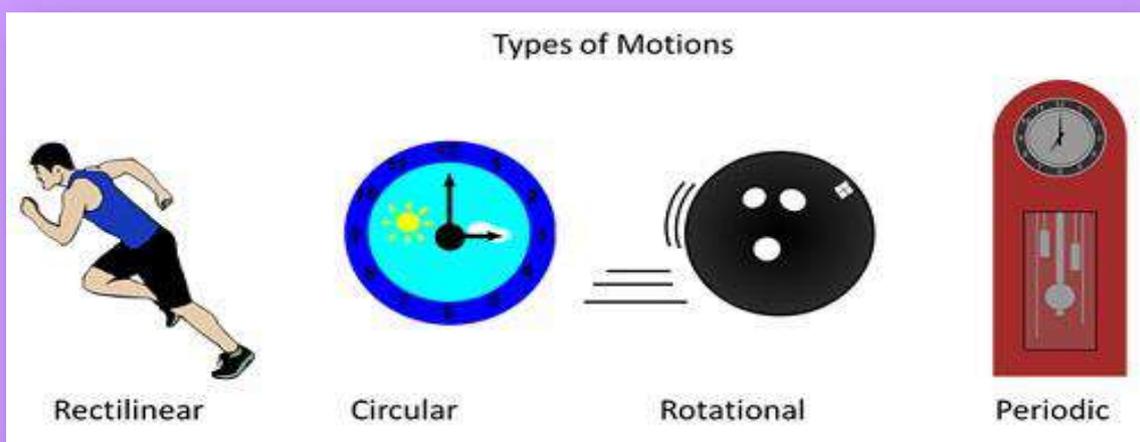
Science allows students to explore their world and discover new things. It is also an active subject, containing activities such as hands-on labs and experiments. This makes science well-suited to active younger children. Science is an important part of the foundation for education for all children.

Grade 6 students are highly active and very much interested in learning and exploring various scientific facts and relating them to their real-life.

They have explored various concepts of science and also have take part in many cultural events and academic fairs showcasing their blend of talent and knowledge.

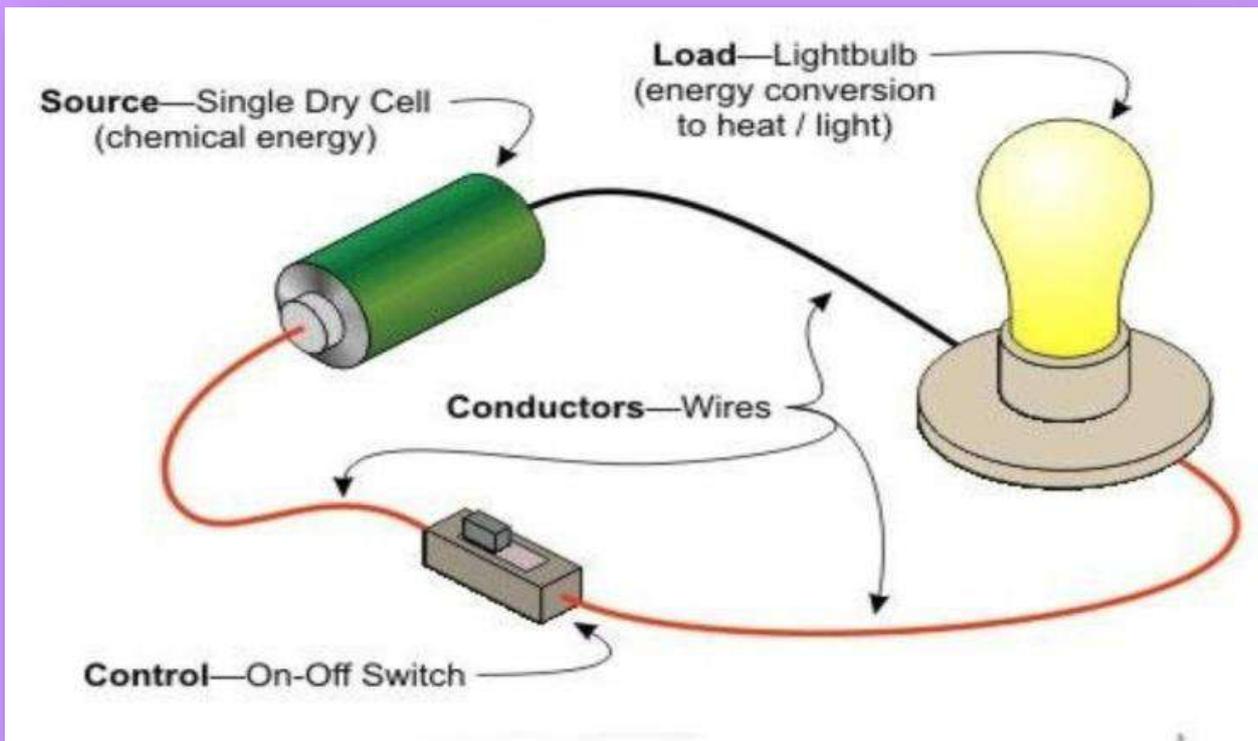
## MOTION

Motion requires force to cause that change. The time you take to travel the distance depends upon speed; the distance travelled is measured as the length of a line between the start and end of a motion. It is an important aspect in physics. In our lives motion is important and impacts so many things that we do. There are different types of motion.



# ELECTRICITY

Electricity is an essential part of modern life. People use electricity for lighting, heating, cooling, and refrigeration and for operating appliances, computers, electronics, machinery, and public transportation systems. Imagining the world without any use of electricity is very difficult these days. Small things like study lamp to big things like a plane requires electricity to operate. Human civilization has become very modern, and electricity is needed everywhere. Today, the modern sources of entertainment starting from listening to music from MP3 players, watching Television, playing movies in DVDs or VCDs or VCRs runs on electricity. We can see the use of electricity for operating modern technologies every day. These surgical operations won't even start without electricity.



# MAGNETS

Magnets have been proving its worth every day with its incredible function by making the most strenuous tasks easier. With the various uses of magnets in daily life, we can do heavy lifting which is not humanly possible to do every day. Magnets play an important role in various devices which can be a small toy or a heavy 100-ton device to pick up heavy metals.

We come across magnets in various forms such as computers, MRI machines or inside some appliances which are used in the house, business or medical industry. The size can be from very small to the large giant like structures.



# **THE LIVING ORGANISMS AND THEIR SURROUNDINGS**

**We all are surrounded by plants, trees, animals, birds, microbes, and other living and nonliving things based on certain parameters, Scientists were able to differentiate between living and nonliving things. An organism is simply defined as any living thing, ranging from microscopic bacteria to large elephants and everything in between.**

**Different types of plants and animals are found in different areas.**

**E.g. deserts have camel and cacti as plants.**

**Beaches show coconut trees and crabs.**

**Fishes and other marine animals inhabit the sea.**

**Plants are living things, but they do not appear to move like a dog or a pigeon.**

**On the other hand, a car or a bus can move, yet we consider them as non-living.**

**So there are certain characteristics that differentiate living from nonliving-**

**Living beings are made of cells.**

**Living beings obtain and use energy.**

**Living beings grow and develop.**

**Living beings reproduce.**

**Living beings adapt to their environment**

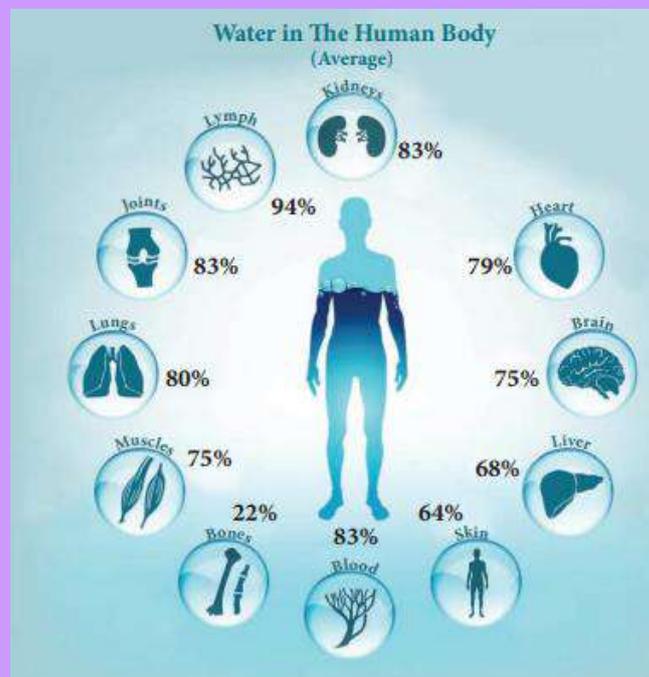
**Living beings respond to their environment or stimuli.**



# **WATER**

**Water is very important for your body**

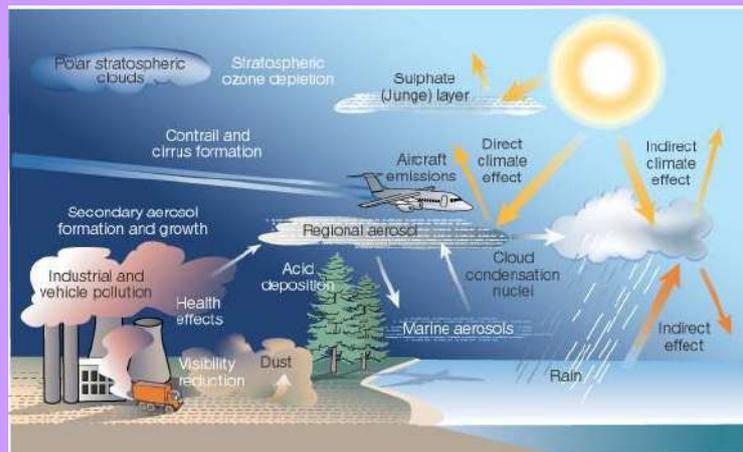
**Water travels throughout your body carrying nutrients, oxygen, and wastes to and from your cells and organs. Water keeps your body cool as part of your body's temperature regulating system. Water cushions your joints, and protects your tissues and organs from shock and damage.**



# AIR

Air is important for living things.

Breathing is part of a process called respiration. During respiration, a living thing takes in oxygen from the air and gives out carbon dioxide. This process gives animals and plants the energy to eat, grow, and live life!

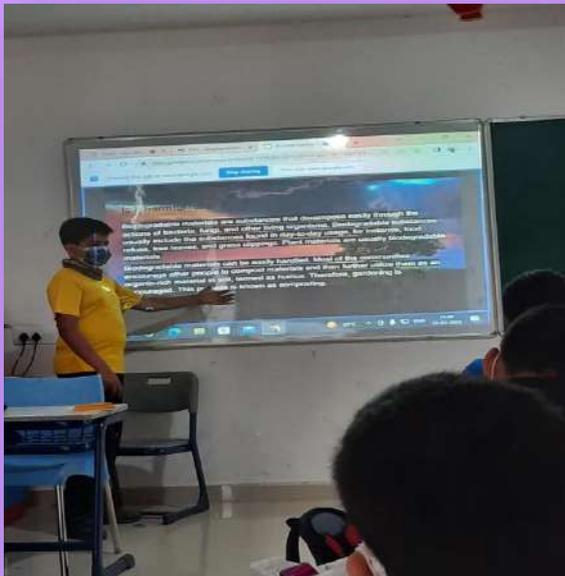


# CHANGES AROUND US

Every day we come across different types of changes. Turning day into night, night into a day, rising and setting of sun and moon, changing of climate, melting of ice, and lot more. These changes occur in a minute or may take a longer time. Few changes are not even noticeable.



# STUDENTS ACTIVITY:



# **GRADE 7 - ENGLISH**

**The language curriculum of grade 7 is based on the belief that literacy is critical to responsible and productive citizenship. The curriculum is designed to provide students with the knowledge and skills that they need to achieve this goal. It aims to help students become successful language learners, who can communicate – that is, read, listen, view, speak, write, and represent – effectively and with confidence. They can make meaningful connections between themselves, what they encounter in texts, and the world around them. They are trained to think critically and understand that all texts advance a particular point of view that must be recognized, questioned, assessed, and evaluated.**

**The course has goals for the areas of reading, writing, speaking and listening, and language in an effort to make students able to read and write confidently in all subject areas. In the area of reading students further developed their abilities to determine a text’s main ideas and to analyze them based off of textual evidence. They learnt to analyze how an author organizes their text and the purpose of the chosen point of view. The students developed the skills to compare and contrast the written and multimedia versions of a text, and how different writers approach the same topic. In terms of writing, the students continued to develop their skills in writing argumentative, informative, narrative, and research texts. They are able to produce clear writing that has appropriate organization and style for the topic at hand.**

**The students also practiced speaking in front of a group while using relevant descriptions, facts, and details to support an opinion. Throughout their writing and speaking students will continue to show their command of the English language,**

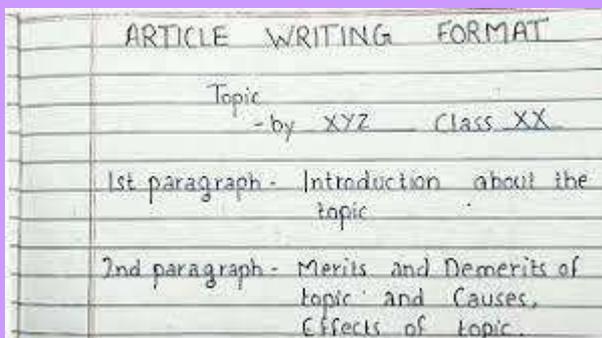
particularly in the uses of phrases and clauses and varied types of sentences. While writing students continued to practice conventions, specifically the use of commas to separate coordinates adjectives.

The seventh graders have taken one step further in the world of English language and continue to integrate the use of four language skills, i.e. reading, listening, reading and writing. The students got an opportunity to hone their skills in the form of regular and thorough practice for their performances in the Academic fair. They have shown exemplary talent in the use of accent, tone and vocabulary.

As the exams are right at the corner, we have ensured that students are ready for the offline mode of examination. This is done by mock tests, revision classes and continuous assessments. Revision classes go beyond the text books and include videos and songs for better comprehension. It is indeed a remarkable feat for the students as they have shown extraordinary fervor in both theoretical and practical fields.

Link-

<https://drive.google.com/drive/folders/1jJrCCekDpiXYbHflecFltRyYT37hmzlk?usp=sharing>



Reported Speech		
Direct Speech →	Indirect Speech	Certain words and express according to the meaning of sentence.
Present Simple →	Past Simple (Present Simple)	now → then
Present Continuous →	Past Continuous	today → that day
Present Perfect →	Past Perfect	tonight → that night
Present Perfect Continuous →	Past Perfect Continuous	here → there
Past Simple →	Past Perfect	come → go
Past Continuous →	Past Perfect Continuous	last week → the week before
Past Perfect →	Past Perfect	next week → the week after
Past Perfect Continuous →	Past Perfect	ago → before
Future Simple →	would + bare infinitive	yesterday → the day before
		tomorrow → the next day

## Types of Tenses

Verb Tenses	Past	Present	Future
<b>Simple</b>	He uploaded videos on Youtube	He uploads videos on Youtube	He will be uploading videos on Youtube
<b>Continuous</b>	He was uploading videos on Youtube	He is uploading videos on Youtube	He will have uploaded videos on Youtube
<b>Perfect</b>	He had uploaded videos on Youtube	He has uploaded videos on Youtube	He would have been uploading videos on Youtube
<b>Perfect Continuous</b>	He had been uploading videos on Youtube	He has been uploading videos on Youtube	He would have been uploading videos on Youtube

### THE SOLITARY REAPER

WILLIAM WORDSWORTH

### THE CONCEITED PYTHON

By Ruskin Bond

### A Retrieved Reformation



## IF

If you can keep your head when all about you  
Are losing theirs and blaming it on you,  
If you can trust yourself when all seem doubt you,  
And make assurance double sure,  
And keep your brain when under pressure,  
And do not lose your mind when all men see,  
If you can talk with crowds and keep your virtue,  
Or walk with Kings—no loss of common touch,  
If neither foes nor loving friends can hurt you,  
If all men count with you, yet none too much;  
If you can fill the empty spaces  
With a measured word, if desperate need  
Doth lay their hands upon your thigh,  
And—what is done—you do it, then—  
You'll be a Man, my son!

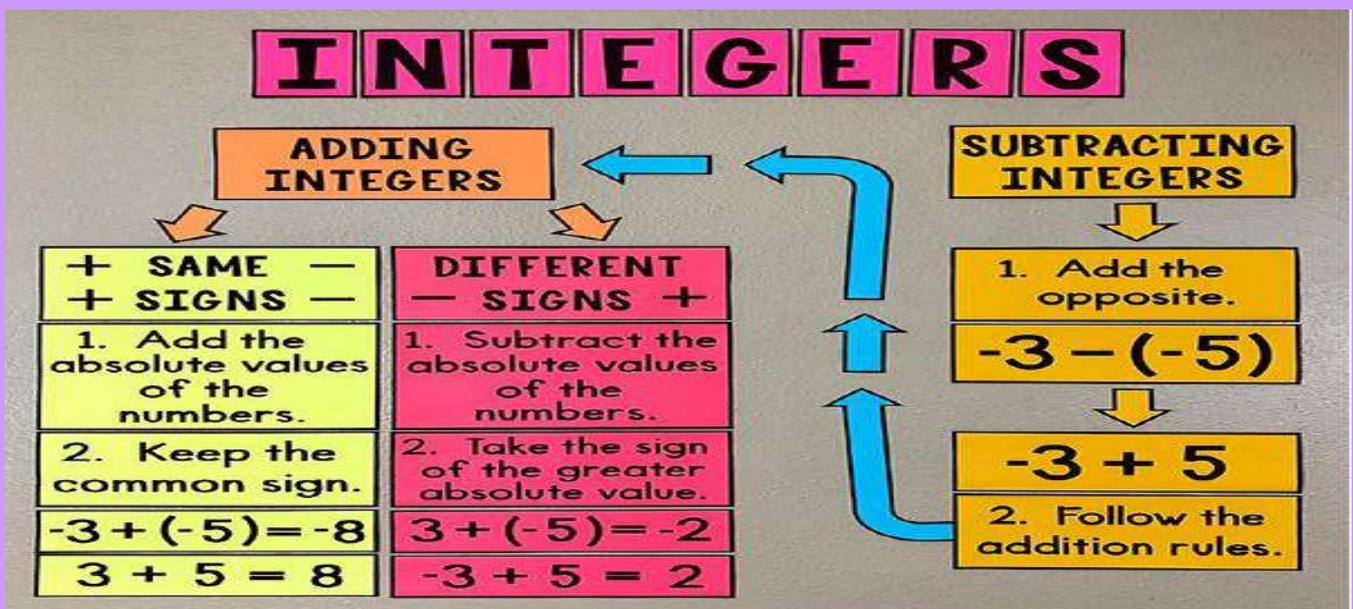
— Rudyard Kipling

# GRADE 7 - MATHEMATICS

Integers are important numbers in mathematics. They have many uses in real life as well as math class. Integers help in computing the efficiency in positive or negative numbers in almost every field. Integers let us know the position where one is standing.

These numbers have many uses in real life as well as in math class. Money that we receive from somewhere as salary or gifts is added to our account and the money that we give someone are subtracted from our account.

When you get your blood pressure checked. It may come out to be high or low. A value that is above normal pressure is called positive and a value that is below normal is called negative.



**Probability is an important concept in our daily life. It is nothing but uncertainty or getting a chance.**

**A student of Gr-7 Kairos Global School Bhavya sri explained the importance of Probability.**

**<https://drive.google.com/file/d/12hmrxdy4ELwqCRgtQPjPjcfaBxSPrjoS/view?usp=sharing>**

**A student of Gr-7 Kairos Global School Pratista explained a concept of Perimeter.**

**<https://drive.google.com/file/d/1voyoW0NEP8QN-onpln85WxHqr0FT-2QR/view?usp=sharing>**

**Shalini:**

**[https://drive.google.com/file/d/19\\_WDv-sGh9Wrx0UNMXNC5mpj2iQlgaZT/view?usp=sharing](https://drive.google.com/file/d/19_WDv-sGh9Wrx0UNMXNC5mpj2iQlgaZT/view?usp=sharing)**

**Advith:**

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# **GRADE 7 - SCIENCE**

**Students understand the important aspects of science and why "how" you do science makes results believable. Effectively using this time not only gives you more minutes of teaching but can also solve management issues, create motivation and engagement, and build a class culture of learning.**

**Scientific knowledge can improve the quality of life at many different levels—from the routine workings of our everyday lives to global issues. Science informs public policy and personal decisions on energy, conservation, agriculture, health, transportation, communication, defense, economics, leisure, and exploration.**

**Grade 7 students have lately explored a lot of scientific facts as an addition to their previous knowledge and also developed and practically experienced facts related to concepts of different soil types & properties, various types of respiratory methods and respiratory organs in various living organisms and also have explored the concept of electric current & its effects.**

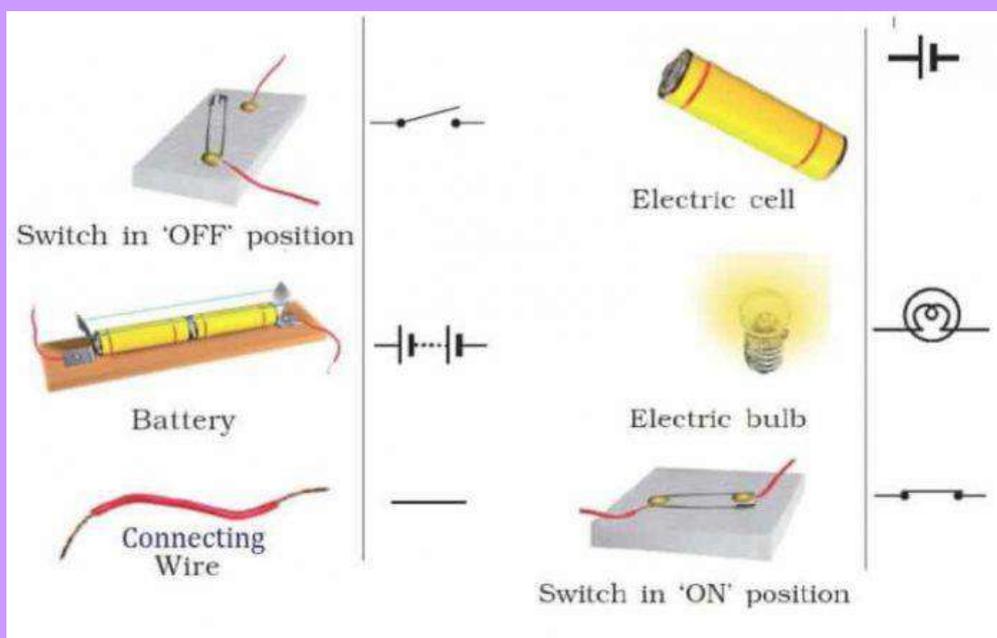
**Students widened their knowledge in various aspects & have explored various concepts of science and also have take part in many cultural events and academic fairs showcasing their blend of talent and knowledge.**

## **ELECTRIC CURRENT & ITS EFFECTS**

**Our ancestors relied on fire for light, warmth and cooking. Today at the flick of a switch, turn of a knob or the push of a button we have instant power. This is possible because of the**

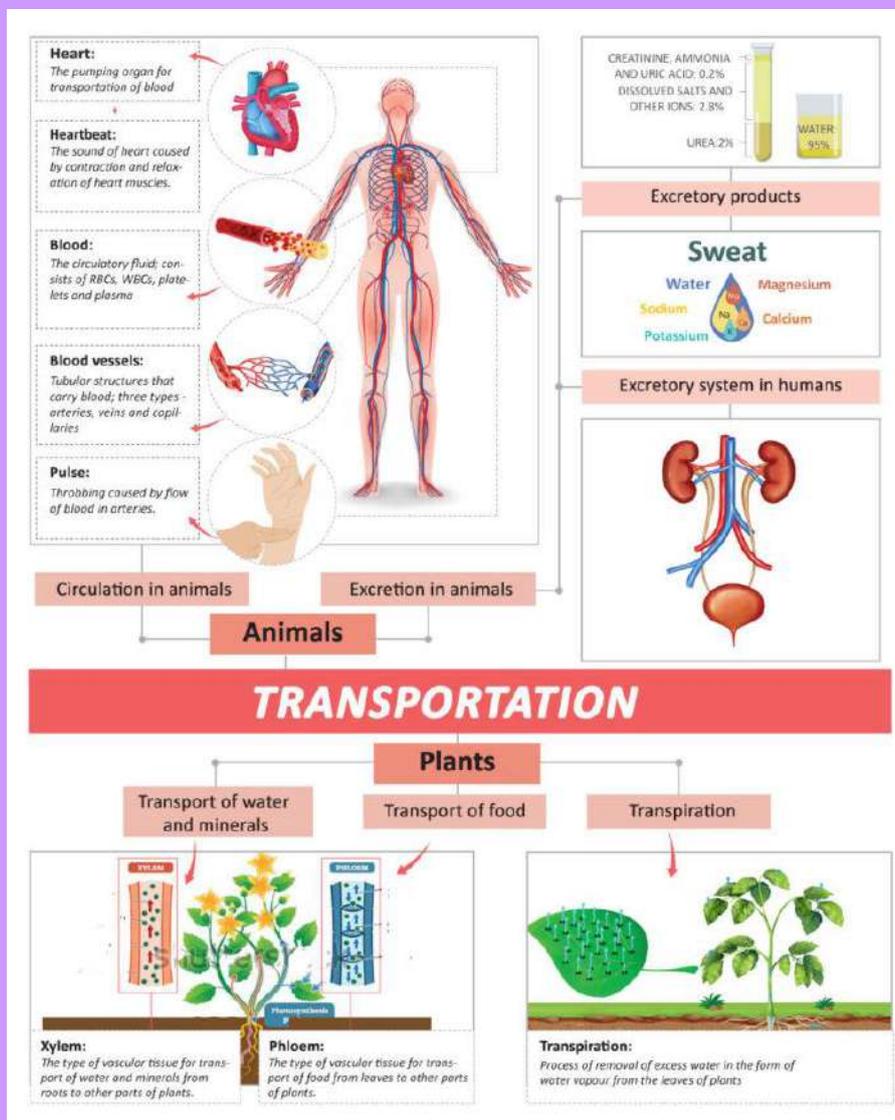
**electric current. Do you know what is current? In this article, let us learn and find how electric current has revolutionised modern day living. It is one of the important discoveries that helped us transform our way of living. From the time we wake up till the time we sleep at night, our life is dependent on electricity. From the basic bread toaster, baking oven to the commonly used television all require electric current to operate. The most common device, mobile phones use the electric current to charge the battery for the operation. Besides playing a major part at home, electricity also plays an important role in industries, transportation and communication. Electric Current is the rate of flow of electrons in a conductor. The SI Unit of electric current is the Ampere.**

**Electrons are minute particles that exist within the molecular structure of a substance. Sometimes, these electrons are tightly held, and the other times they are loosely held. When electrons are loosely held by the nucleus, they are able to travel freely within the limits of the body. Electrons are negatively charged particles hence when they move a number of charges moves and we call this movement of electrons as electric current.**



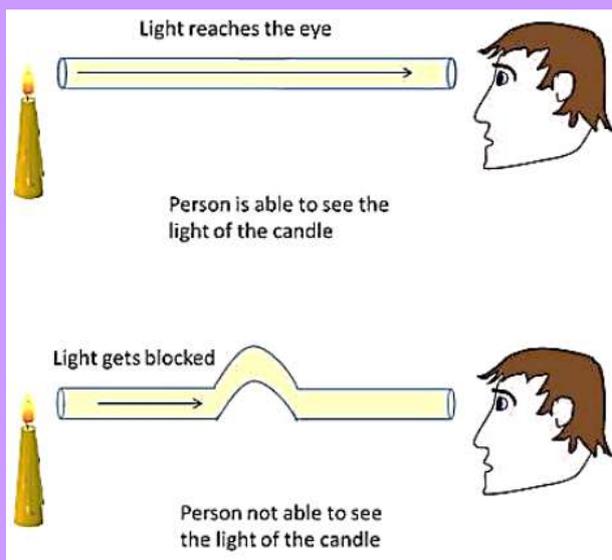
# TRANSPORT OF SUBSTANCES IN PLANTS AND ANIMALS

All the organisms need to transport water, food, minerals, oxygen to different parts of the body. They help in the growth and respiration of the cells. The waste products are transported to the excretory organs for elimination from the body. Plants and animals have different organs and processes for the transportation of substances. Transportation in animals is the combined effort of the circulatory system, and the excretory system. It is an important process to circulate water, essential nutrients, gases, and excretory products within the plant for various purposes. The vascular tissues are responsible for transportation in plants. The suction force helps in the transportation of water and minerals in the plant.



# LIGHT

The path of light gets blocked when an object covers the source of light. This is illustrated by trying to see the flame of a candle using a straight pipe and then with a bent pipe. This proves that light travels in a straight line. When light is incident on a certain surface, it either gets reflected or bounces back. Such surfaces are really well polished and act like a mirror. The phenomenon of light bouncing off surfaces is called reflection. Rays of light from an object after reflection by a mirror tend to converge or appear to diverge from a certain point in front of the mirror. At this point, the reproduction of the object is called as an image.



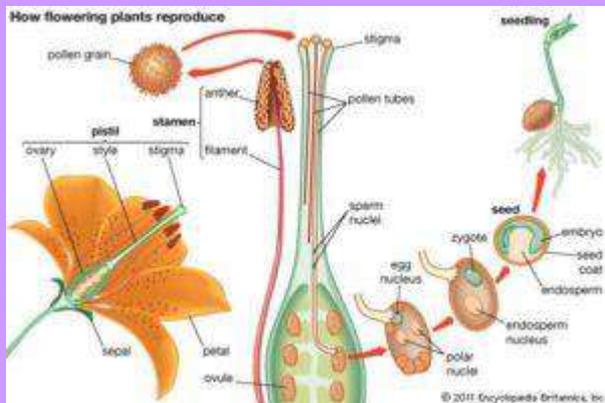
# REPRODUCTION IN PLANTS

Reproduction means to reproduce. It is a biological process by which an organism reproduces an offspring who is biologically similar to the organism. Reproduction enables and ensures the continuity of species, generation after generation. It is the main feature of life on earth. There are basically two types of reproduction:

## **ASEXUAL REPRODUCTION**

## **SEXUAL REPRODUCTION**

Plants reproduce by sexual and asexual means. Vegetative reproduction is the main mode of plant reproduction. Roots such as a corm, stem tuber, rhizomes and stolon undergo vegetative propagation. Sexual reproduction in plants takes place through pollination in which the pollen grains from the anther of a male flower transfer to the stigma of the female flower.



## **PHYSICAL & CHEMICAL CHANGES**

The sun rises, the night turns into a day, the seasons change, the leaves shed, flowers bloom and living beings grow! Every day, we see a number of changes happening around us. Change is inevitable. It takes place all the time and everywhere. However, changes differ from one another in a number of aspects. Some changes are fast, others are slow. Some of them are temporary, others are permanent.

Some are periodic, others are non-periodic. Some are natural, others are man-made. Some are reversible, others are irreversible. On the larger front, a change may be categorized into a chemical or a physical change depending on how the properties of a subject alter when it undergoes the change.



## TIME AND MOTION

**An object is said to be in motion if it changes its position with respect to time. Eg: A car moving on a road.**

**An object is said to be at rest if the object does not change its position with time. Eg: A person standing on the ground.**

**Distance is the total path covered by the object in the given interval of time.**

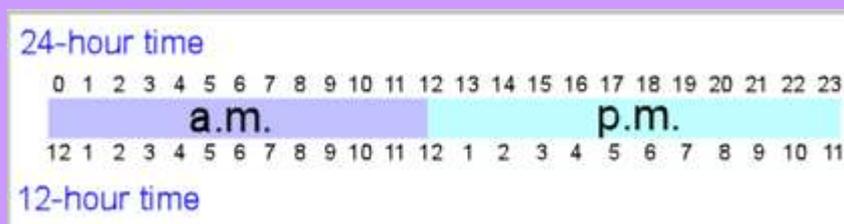
**Displacement is the shortest path covered by the moving object in the given interval of time.**

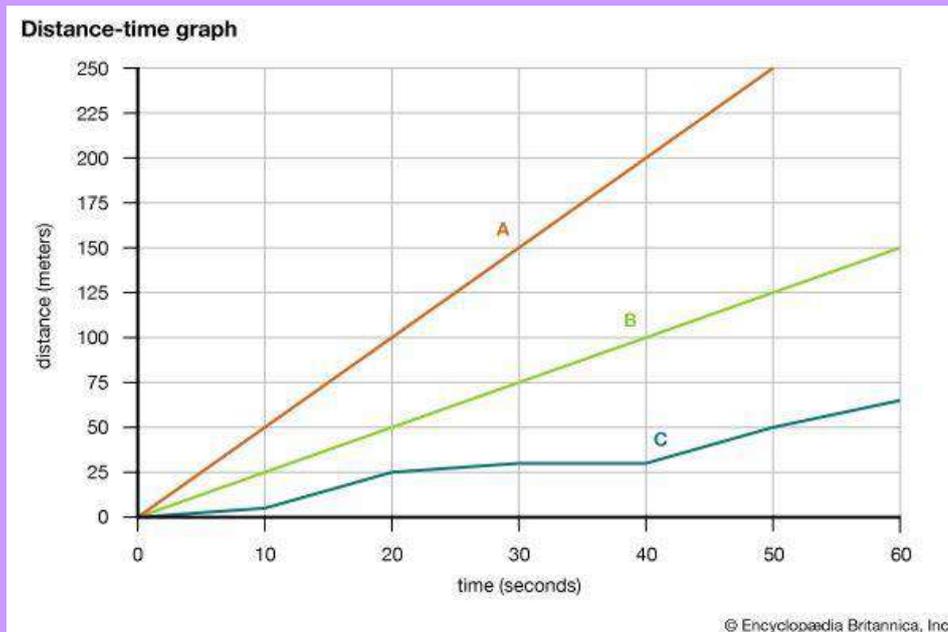
**Distance=Speed× Time.**

**Unit of distance is generally measured in units of length like metres, kilometres etc.**

**Speedometer records the speed of the vehicle directly in kilometer per hour (km/h).**

**An odometer measures the distance moved by the vehicle directly in kilometres (km).**





## **WEATHER CLIMATE & ADAPTATIONS**

**The atmospheric condition of a place on a daily basis with regards to aspects such as – humidity, the temperature, wind-temperature, rainfall, wind speed, etc., is referred to as the weather of that place. A weather front is a boundary separating two masses of air of different densities. Meteorologists record the weather every day.**

**The records of the weather have been preserved for the past several decades.**

**These help us to determine the weather pattern at a place.**

**The average of the weather pattern over a time period is determined as the climate.**

**Based on different climatic conditions, animals adapt or evolve to survive in these conditions.**

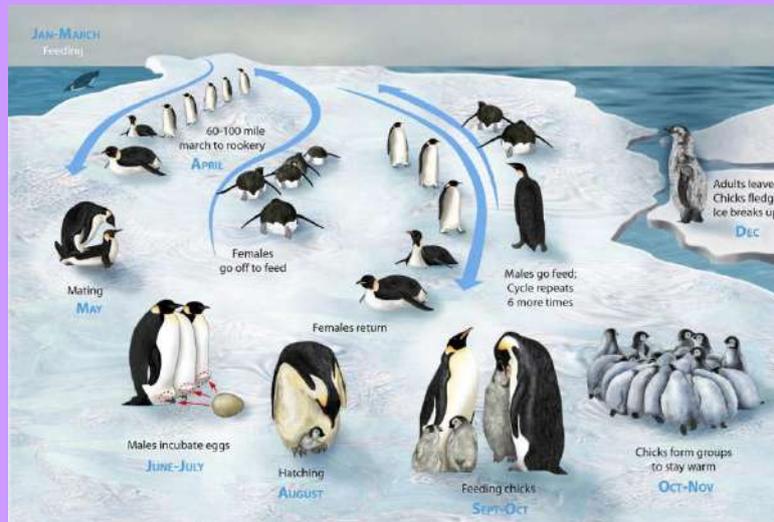
**Eg: polar Regions – Polar bears have white fur hence are not visible easily in the snowy white background.**

**It safeguards them from their predators.**

**Also beneficial for them in catching their prey.**

**They are naturally provided with two thick layers of fur to shield them from extreme cold**

**Also, they possess a layer of fat under their skin.**



## **WATER**

**Water is a precious natural resource. All living things need water for their survival. We cannot imagine life without water. Let it be animals or plants they require water to complete their daily metabolic activities. Plants require water to synthesize their food from the process of photosynthesis.**

**On average, an individual uses 600 to 700 litres in a day. We all can live without food for days together but cannot even imagine surviving without water, even plants become dry and shed their leaves without water.**

**Water is one of the natural resources, which are found in an adequate amount. It is an essential source for the existence of life on the planet earth. It is widely used for various purposes such as drinking, washing, bathing, cleaning, cooking, irrigation, and other industrial and domestic uses.**



## STUDENT ACTIVITY:



<https://drive.google.com/file/d/1r41MRi401456mfanNprKBw2CKFtc9bB6/view?usp=drivesdk>

# **GRADE 7**

## **SOCIAL SCIENCE**

### **IN HISTORY**

#### **Topics**

- **Religion and Philosophy in Medieval India**
- **The coming of regional cultures**
- **The Decline of the Mughal empire**

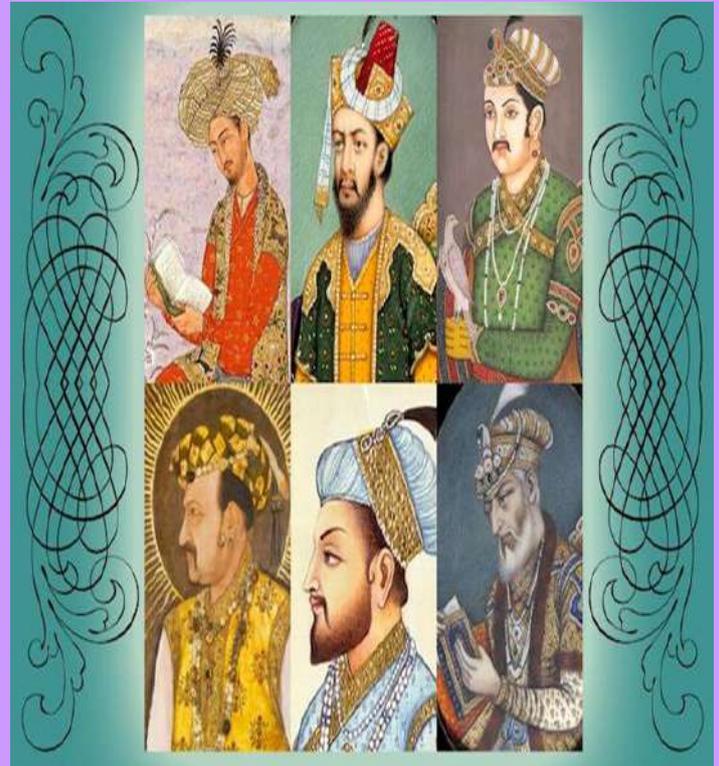
#### **Learning Objective**

- 1) **Develops an understanding of the reasons for the decline and disintegration of Mughal Empire**
- 2) **Can understand the reasons for the rise of new political groups such as Jats , Marathas, Sikhs, & Rajputs during the first half of 18th century.**

**Grade 7 students learnt about The Mughal Empire that ruled in India from 1526 to 1857. The Mughal Empire's founder was Babur, but its most notable ruler was Akbar, Babur's grandson, who ruled from 1556 to 1605.**

**They got to know about Akbar's religious policies and his tolerance towards different religions. Students also learnt about the tyrannical rule of Aurangzeb.**

**They also learnt about the famous monuments and art and architectures that prevailed during their period.**



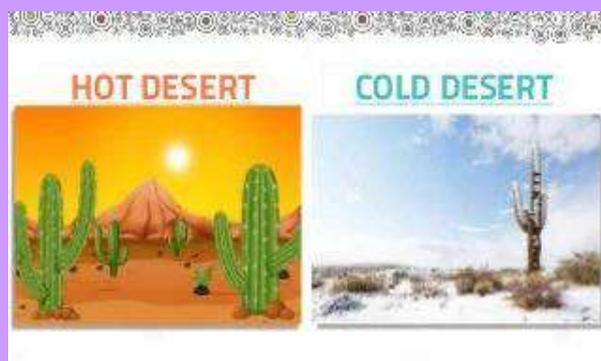
# IN GEOGRAPHY

## Topics

- Life in the deserts
- Life in tropical and subtropical regions
- Life in temperate grasslands

## Learning Objective

- 1) Students can understand the living conditions in tropical and subtropical regions.
- 2) They can make a list of the economic activities, flora & fauna of these two regions.
- 3) They will also be able to understand the complexities and hardness of life in desert area



# **IN SPL**

## **Topics**

- **Media**
- **Advertising**
- **Markets**
- **People for Equality**

## **Learning Objective**

**1) Students recognize various forms of advertisement & means of communication in their surroundings and understand how Media influences people.**

**2) Know about the different types of media.**

**3) They understand why the government needs to regulate economic activities.**

**4) They will also be able to explain the differences between different types of markets**

**5) Follow the path of equality in his/her behavior/life.**

**6) Understand the main features of the Indian Constitution.**

**7) Understands the importance of equality in democracy.**

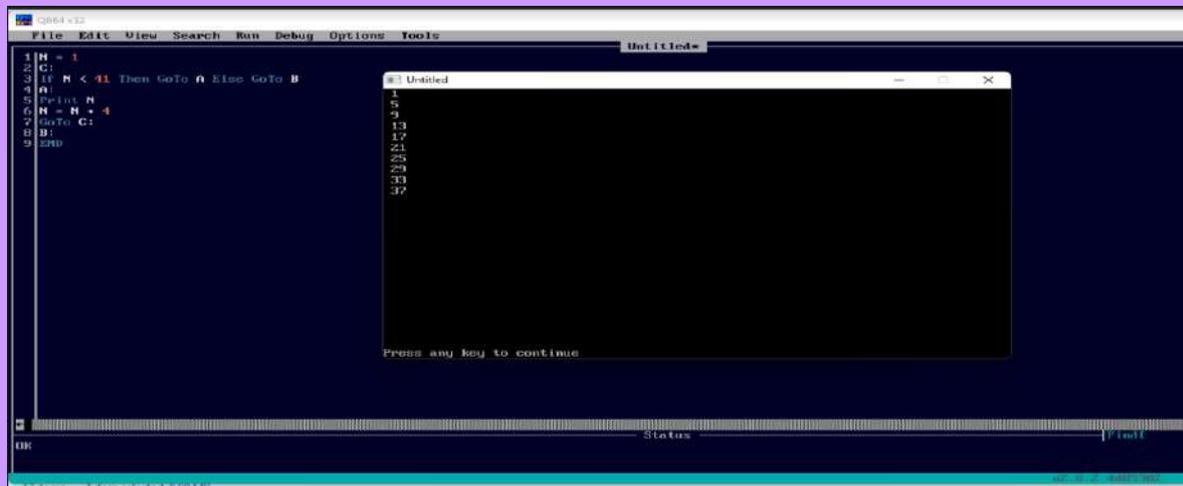
# GRADE 7 - COMPUTER

How an excel can be used as data base, with different built-in formulas, functions, tools and its actions were well understood by the students. They have worked with many exercises on each concept such as data validations, subtotal etc. in continuation they worked on different charts with respective data and its basic components to work under custom options.

	incentive percentage						
	charity amount						
month	sales			s.no	sub	marks	
jan	1000			1	sst	56	
feb	2000			2	hindi	26	
mar	15000			3	eng	35	
apr	3000			4	sci	68	
may	1900			5	comp	78	
jun	2000						
					total	263	
total	24900				min	26	
	24900				max	78	
	24900				avg	52.6	
	24900				date	3/11/2022	

1	2	3	A	B	C	D	E
			1	S.NO	SALES EXECUTIVE	MONTH	SALES
			2	1	Raman	October	125000
			3		<b>Raman Total</b>		125000
			4	2	Mohit	October	320000
			5		<b>Mohit Total</b>		320000
			6	3	Prashant	October	285000
			7	4	Prashant	November	335000
			8		<b>Prashant Total</b>		620000
			9	5	Raman	November	222000
			10		<b>Raman Total</b>		222000
			11	6	Mohit	November	275650
			12		<b>Mohit Total</b>		275650
			13		<b>Grand Total</b>		1562650
			14				
			15				
			16				
			17				
			18				

Then introduced the basic computer programming methods via QB64 base, students started to execute many programs in it by following the syntax of the statement used.



The screenshot shows the QB64 IDE interface. The main window contains the following BASIC code:

```
1 H = 1
2 C:
3 IF H < 41 Then GoTo A Else GoTo B
4 A:
5 PRINT H
6 H = H + 4
7 GoTo C:
8 B:
9 END
```

An output window titled "Untitled" displays the results of the program's execution:

```
1
5
9
13
17
21
25
29
33
37
```

At the bottom of the output window, it says "Press any key to continue". The status bar at the bottom of the IDE shows "12 items 1 item selected 0.00 MB".

The different functions of QB64 made the students to aware and differentiate the different types with its function. Solved many programs and showed lively by executing in computer lab. Arrays topic is one of the newly introduced topics by which the basic knowledge of array and how to assign the many values to the variables at time. Internet services, in which students just recollected all the concepts related to the internet and its services in the real time via different platforms. The virus is the topic which made the students to understand the basic knowledge on computer virus and its types. How to prevent the device from virus in real time and its basic requirements are well understood.



# **NEWSLETTER**

**GRADE 8**

**ENGLISH**

**Kairos ensures that grade 8 is confident and comfortable when it comes to the usage of English Language. While reading literature pieces, students are taught to examine differences in film or live production of stories in relation to the original text. It's a constant effort to develop skills to analyze how modern works of fiction draw on myths, legends or religious works to renew themes or character types. These standards are centered around drawing connections between literary texts.**

**When it comes to writing, students are trained to use words, phrases, and clauses to create cohesion and bring meaning to their writing. We ensure that they develop the topic with relevant facts and concrete details and also use precise language and domain-specific vocabulary to inform about or explain the topic. The students are able to write narratives to develop real or imagined experiences or events using effective technique, relevant descriptive details, and well-structured event sequences.**

**They have goals for the areas of reading, writing, speaking and listening, and language in an effort to make students able to read and write confidently in all subject areas.**

**In Grade 8, students refine and build upon previously learned knowledge and skills in increasingly complex essays. On a regular basis, 8th grade students are expected to produce coherent and focused multi-paragraph essays that are error-free and feature varied sentence structure. In the area of reading students are able to determine the main idea of a text and analyze the text using specific lines from the text and/or dialogue add to the story and support their analysis. The students continued to practice using context clues to determine the meanings of words, but will also learn to use these clues to deduce figurative or connotative meanings..**

**The students learnt how to revise and improve their writing using guidance from peers. The students also learnt to research topics using valid and varied sources to gather important information. To improve their speaking and listening skills students have learnt to effectively engage in collaborative discussions and analyze information presented in various media and formats. They can evaluate the soundness of reasoning in a speaker's argument and claims.**

**Students are also trained to present their own claims and arguments in logical and coherent ways. They are able to show a command of formal English language in order to support their claims. Throughout their writing and speaking students demonstrate their command of English grammar and writing conventions.**

**Link-**

**<https://drive.google.com/drive/folders/1eHPAFkG3NQM9yvqTV-obb08pYPPSd-GZ?usp=sharing>**





## Reported Speech

Direct Speech →	Indirect Speech	Certain words and express according to the meaning of sentence.
Present Simple →	<u>Past Simple (Present Simple)</u>	<i>now</i> → <i>then</i>
Present Continuous →	<u>Past Continuous</u>	<i>today</i> → <i>that day</i>
Present Perfect →	<u>Past Perfect</u>	<i>tonight</i> → <i>that night</i>
Present Perfect Continuous →	<u>Past Perfect Continuous</u>	<i>here</i> → <i>there</i>
Past Simple →	<u>Past Perfect</u>	<i>come</i> → <i>go</i>
Past Continuous →	<u>Past Perfect Continuous</u>	<i>last week</i> → <i>the week before</i>
Future Simple →	<u>would + bare infinitive</u>	<i>next week</i> → <i>the week after</i>
		<i>ago</i> → <i>before</i>
		<i>yesterday</i> → <i>the day before</i>
		<i>tomorrow</i> → <i>the next day</i>

Sender's address

Date

Receiver's address

Subject

Salutation

Through your newspaper column, I would like to draw attention to the.....

.....

.....

.....

I hope you will publish my views.

Thanking you

Yours sincerely

Name

## *Ingredient of Writing an Article*

*Title of the Article*

*Writer's name*

*Body (main part of the article)*

- *Introductory Paragraph*
- *Descriptive Paragraph*
- *Additional Information (if needed)*

*Conclusion (ending part of the article)*

# **SOCIAL SCIENCE**

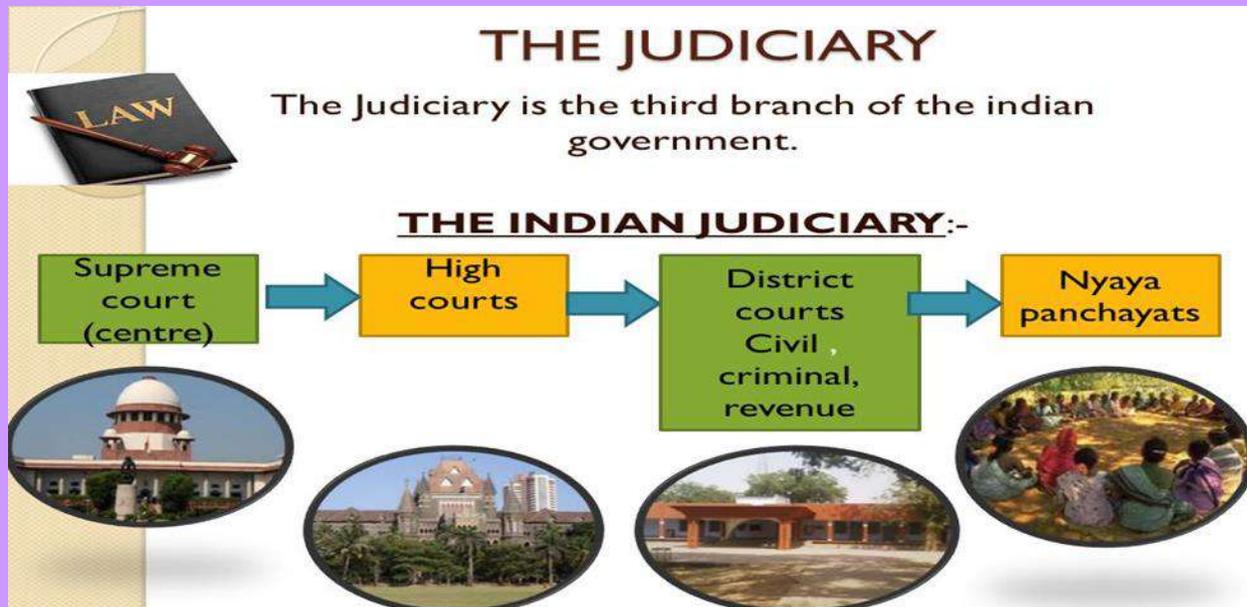
## **NOVEMBER TO MARCH**

**Social Science is a branch of study which deals with Human Beings – their behaviour, growth and development, relationships, resources they use and the various institutions they require to function and carry on their life comfortably. For example – family, school, workplace, government, judiciary, recreation clubs, etc. All these aspects of life are inter-related and interdependent on each other. So whether one wants to become a doctor or an engineer or a chartered accountant, an artist or a teacher, we all have to live in a society, interact with individuals belonging to different cultural and socio- economic backgrounds, adapt to various situations and circumstances, and also adhere to certain societal norms in order to lead a peaceful and productive life.**

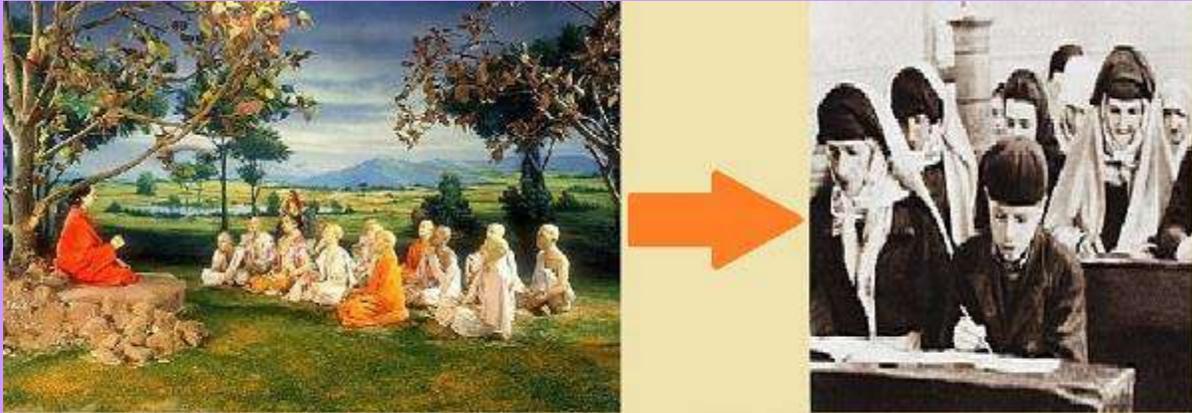
## **SOCIAL SCIENCE - JUDICIARY IN INDIA**

**The judiciary system in India impact nearly every aspect of our daily lives, and yet, many people have little understanding of how the courts work, how judges are selected or why it is important to take action to ensure fair and impartial courts. law affects us in every way in our lives from having the basic right to be heard by others, and in particular our representatives, all the way through to being able to enforce our rights, all the way through to punishing those, or those being punished for committing acts**

deemed acts as against humanity by society as a whole at present time. In general, law provides structure, stability, consistency, safety, boundaries, and consequences.



Grade 8 students learnt about the colonial education and its impact on the Indians during the colonial period colonial education refers to the education imparted to students during the colonial period the effects of the colonial education system are still visible today in some parts even practiced students got to know how to introduce English education paved the ways to eradicate the social evils like sati system, female infanticide. They also learnt about the changes that took place in India after the introduction of English education and how some of the social reformers also recommended vernacular languages along with English education.



**Summary on the History of Modern Education during British India**

## **GEOGRAPHY:**

**Most of us do not know major categories of crops. We are unaware of its valuable contribution to our economy. Ignoring the negative approach of the citizens living in urban areas, the cropping activities are continue to go on all the year-round in India, provided water is available for crops.**

**At some places rice is produced more in quantity and at some other places more wheat is produced. In some regions maize, jute and in other regions sugar-cane is produced. India produces different types of crops due to difference in soil and climate. Industries also play an important role in our economic development.**

**Students learn about the various industries' importance and its location world wide.**

# **SCIENCE**

**Science allows students to explore their world and discover new things. It is also an active subject, containing activities such as hands-on labs and experiments. This makes science well-suited to active younger children. Science is an important part of the foundation for education for all children.**

**Grade 8 students explored a lot of concepts that they could understand & relate various chemical aspects and physical aspects in every part of their life. They actively took part in a practical-virtual science fair.**

**Students widened their knowledge in various aspects & have explored various concepts of science and also have taken part in many cultural events and academic fairs showcasing their blend of talent and knowledge.**

## **REPRODUCTION IN ANIMALS**

**Reproduction is the process of producing individuals of the same kind. Most of the organisms reproduce by mating that increases the genetic variability of the organism. The males and females have separate reproductive organs known as gonads. These gonads produce gametes that fuse together to form a single cell called the zygote.**

**Few animals such as earthworms, snails, slugs, etc. are hermaphrodites and possess male and female reproductive organs in the same organism.**

Depending on the number of parents involved, there are different modes of reproduction. In animals is of two types of reproduction:

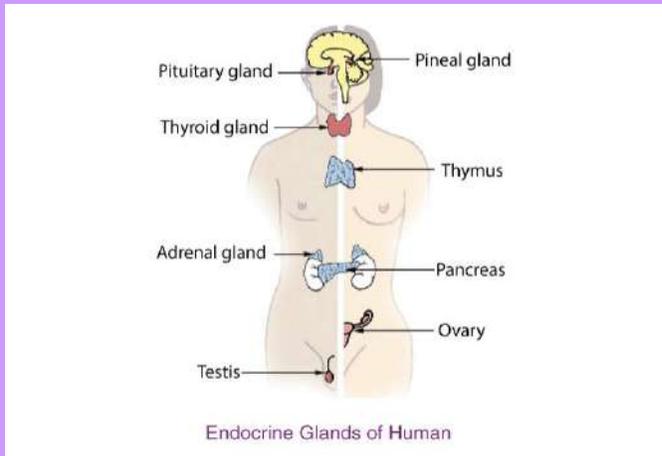
## **SEXUAL REPRODUCTION.**

## **ASEXUAL REPRODUCTION.**



## **REACHING THE AGE OF ADOLESCENCE**

The period of life, when the body undergoes changes, leading to reproductive maturity, is called adolescence. Adolescence begins around the age of 11 and lasts upto 18 or 19 years of age. Since this period covers the 'teens' (13 to 18 or 19 years of age), adolescents are also called 'teenagers'. Puberty is the period, during which, the human body undergoes certain changes in their body and reproductive organs which leads to sexual maturity. An individual goes through different changes during the onset of puberty. It differs in males and females, also the extent of these changes is different in each person. Each individual goes through changes like increase in height, change in body shape, change in voice, development of sex organs, mental, intellectual and emotional maturity.



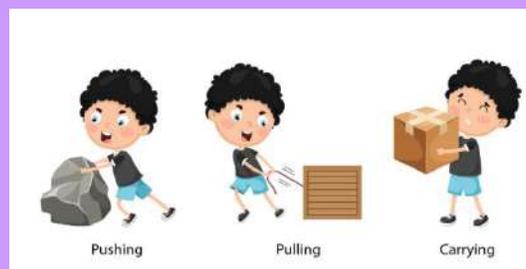
## FORCE & PRESSURE:

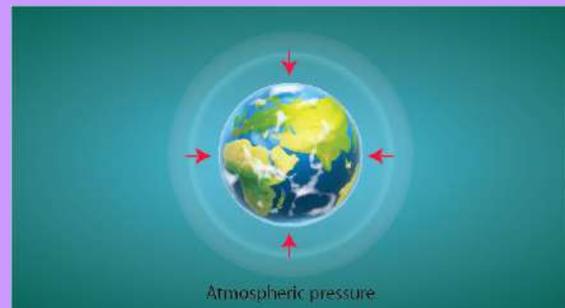
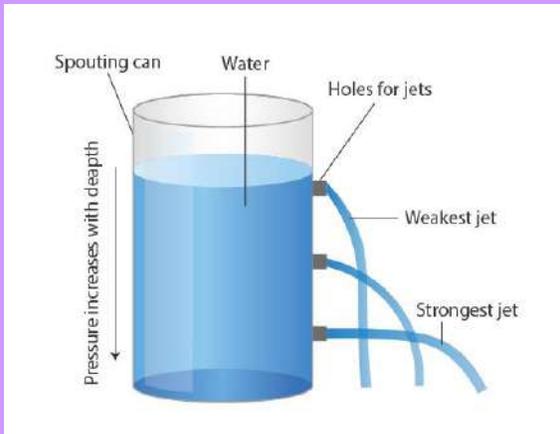
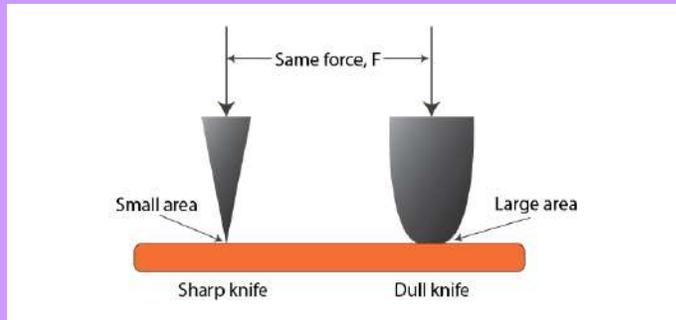
In science, a push or pull of an object is known as force. The interaction between two objects arises force. Force has both magnitude and direction. The strength of a force is expressed in magnitude. Force brings about a change in the direction or state of motion of a body.

A push is a force exerted away from the body, e.g.: Hitting a snooker ball, kicking a football.

The force of attraction or repulsion between two magnetic bodies due to their poles is known as a magnetic force.

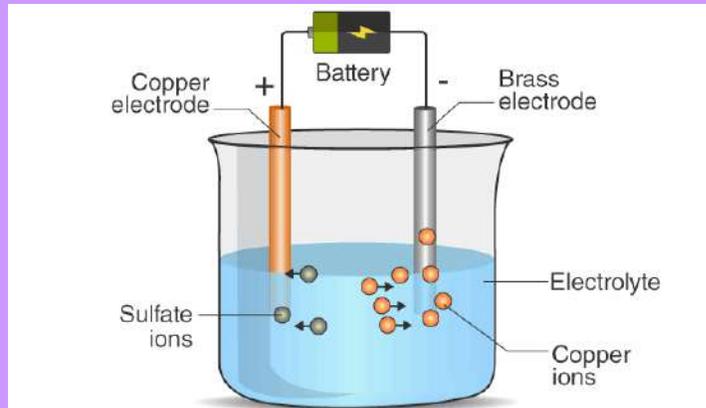
A pull is a force exerted towards the body, e.g: drawing a bucket of water from a well, playing tug of war.





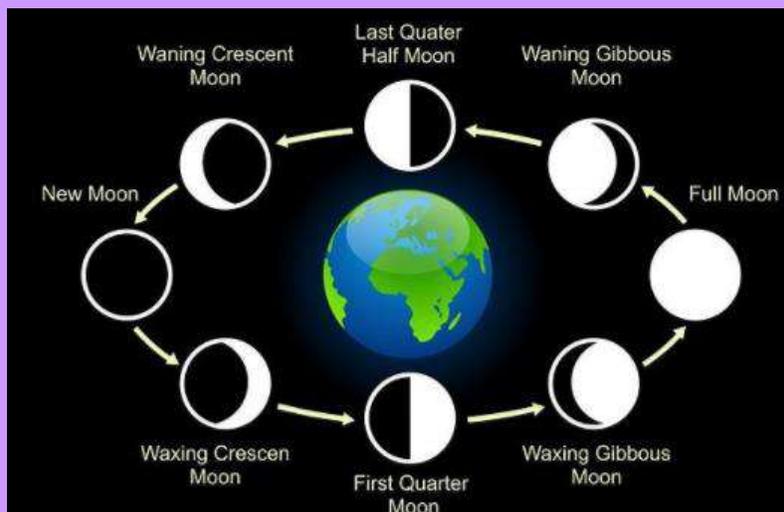
## CHEMICAL EFFECTS OF ELECTRIC CURRENT

William Nicholson, a British chemist demonstrated that bubbles of oxygen and hydrogen are formed when the electrodes are submerged in water and current is passed through the water. He noticed that the hydrogen bubbles were formed at the electrode connected to the negative terminal while the oxygen bubbles were formed at the electrode connected to the positive terminal. When an electric current flows through a conducting solution, chemical reactions take place in the solution. This is called the chemical effect of electric current. All liquids do not conduct electricity. Nevertheless, some liquids are good conductors of electricity while others are bad conductors of electricity. Water with dissolved salts and minerals is a good conductor of electricity while distilled water is a bad conductor of electricity.



## STARS AND THE SOLAR SYSTEM

The planets, the stars, the moon and other bodies in the sky are known as celestial bodies. Astronomy is a branch of science that studies celestial bodies and the associated phenomena. The change in the shape of the moon every day is one of the observations of celestial bodies that we can make. The day on which the whole disc of the moon is visible is known as the full moon day, while the day on which only a small portion of the moon is visible is known as the new moon day. Various shapes of the bright part of the moon seen during a month are known as the phases of the moon. The phases of the moon occur as we can only see the part of the moon that reflects the light of the Sun towards us.



## SOME NATURAL PHENOMENA

Any naturally occurring calamity or physical process is called natural phenomenon.

Two destructive natural phenomena: lightning and earthquakes.

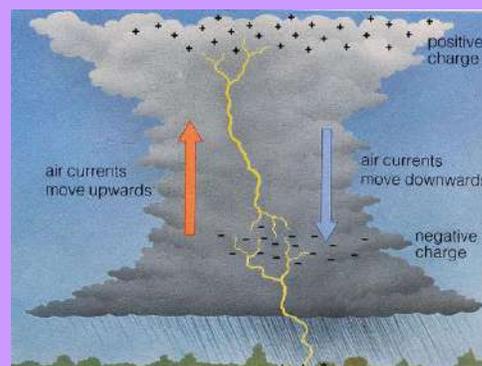
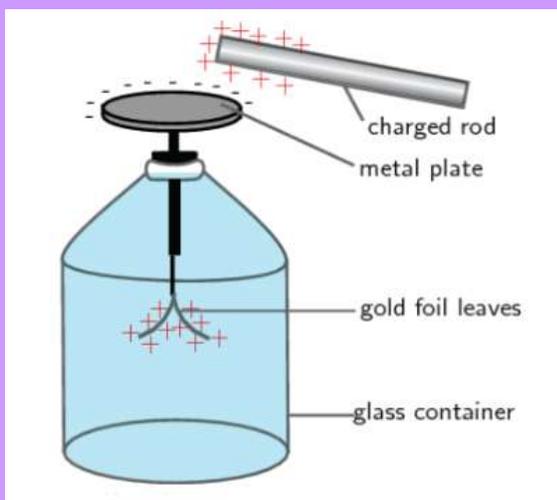
A body can be charged by rubbing due to friction or by induction.

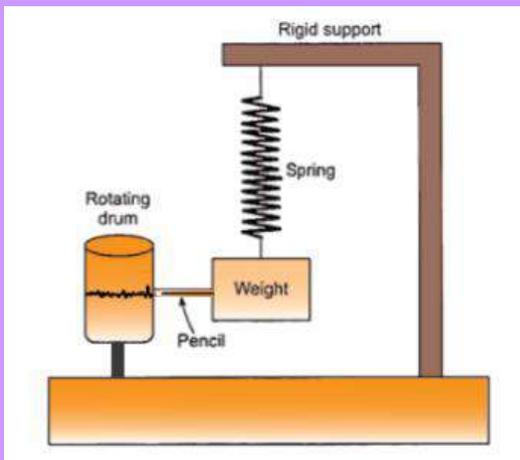
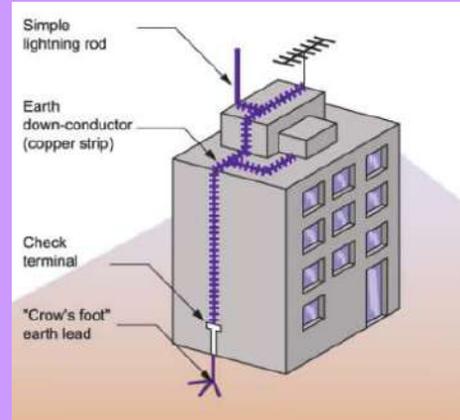
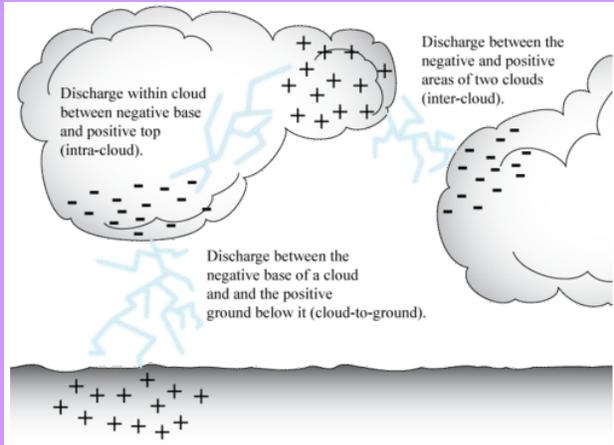
The electrical charges produced by rubbing are called static charges.

When objects like plastic get rubbed with hair, it acquires a charge. Similarly, a glass rod gets charged when rubbed with a silk cloth.

They get charged as they gain or lose electrons and that is why they can attract or repel the small pieces of paper depending on the type of charge they carry.

A device that can detect the presence of charge is called as an electroscope.





## STUDENT ACTIVITY:



# **MATHEMATICS**

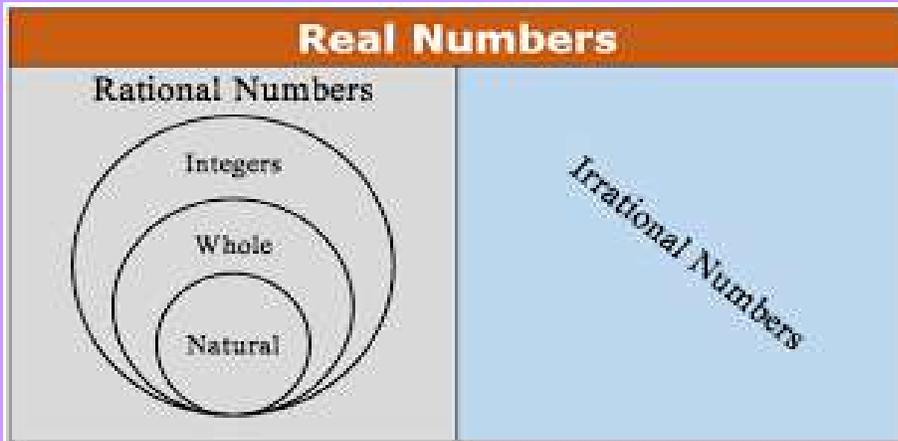
**Rational numbers can be quickly introduced to kids. The issue may be that kids are asked for too long to deal only with integers, that they may think there are no other numbers, or, that the other numbers must be difficult to understand since their introduction is so much postponed.**

**The major concept to explain to kids is a quantity. Quantity is what we deal with in mathematics. Make no mistake, as we have shown, mathematics can exist without referencing any real world examples. It is because math deals only with numbers, counts. However, math can be used in real life once you start keeping track what is counted and why.**

**The confusing thing for kids is that they continuously try to link the ways how the counts are obtained and why, with mathematics, thinking that the description how and why counts are obtained is a part of mathematics. But, it is not so! Mathematics knows only about numbers, it does not care where they come from. Think about it. It is you who will keep track how, what, when, and why you have counted certain objects.**

**We can invent the game for two kids. One kid will define what to count and when, while the other kid will just write down the numbers, do the required operations on them and tell the result back to the first kid. The second kid is pure mathematician. The first kid is applied mathematician. This is how the thinking about math and applied math should go. Second kid, the "calculator" kid, will realize that the same operations and results can be**

applied and reused for many different requests and objects defined by the first kid.



Geometry is an important aspect in our daily life and triangles are using many fields such as constructions, making solids etc.

A Kairos Global school student Ramya explained the concepts of Triangles.

<https://drive.google.com/file/d/1d4GnXsAZvLrDLHAJsLyIRRIaM60y7CHk/view?usp=sharing>

## ICT (COMPUTERS)

Most interesting topics have been introduced for the students. App development, where students learnt the real time applications which is supporting the real world such as YouTube, chat applications, e commerce and banking apps etc. they tried to create their own apps via the free platforms/websites which support to design the new applications.

**Then, the one of the most important languages which supports to design the webpages HTML has introduced to the students. They have prepared many webpages by following the best rules to create and executed. By various concepts (headings, font related, image- tags) they came to know how to write the HTML programs. In the lab sessions they created many webpages of exercises.**

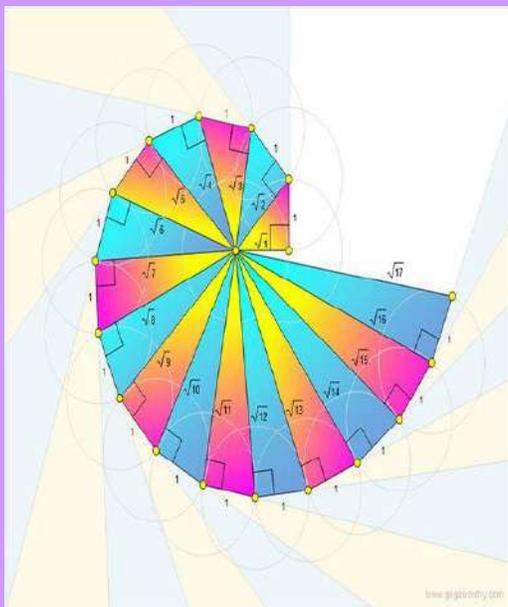
**Then with surfing internet topic they came to know the basics of how do we connected with internet and using the services in our real time applications. How the different platforms such as- skype, blogs, multimedia etc.... supports us in our real time and its working areas have been learn. Lastly, the major concept of cloud computing is introduced, which is the most demanding technology in real word to support all internet-based services.**

# **MATHEMATICS**

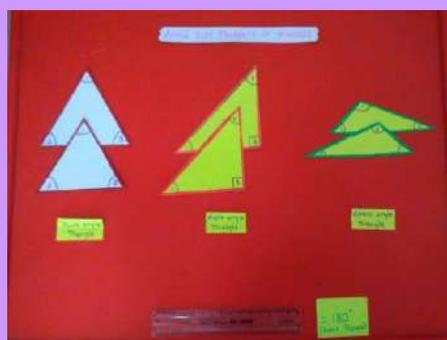
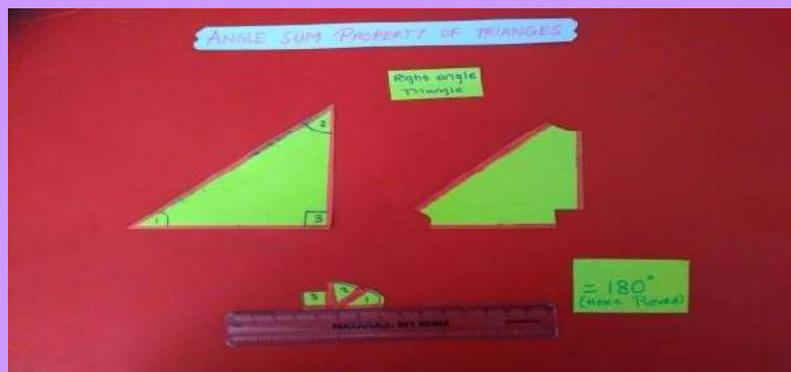
**Snails make their shells, spiders design their webs, and bees build hexagonal combs. There are countless examples of mathematical patterns in nature's fabric. "Pure mathematics is, in its way, the poetry of logical ideas" Mathematics is the cradle of all creations. Be it a cook or a farmer, a carpenter or a mechanic, a shopkeeper or a doctor, an engineer or a scientist, a musician or a magician, everyone needs mathematics in their day-to-day life. Even insects use mathematics in their everyday life for existence. 'Mathematics is a methodical application of matter. It is so said because the subject makes a man methodical or systematic. Mathematics makes our life orderly and prevents chaos. Certain qualities that are nurtured by mathematics are power of reasoning, creativity, abstract or spatial thinking, critical thinking, problem solving ability and even effective communication skills.**

**Math has become an inseparable part of our lives and whether we work in an office or spend most of our time at home, each one of us uses math as a part of our everyday life. No matter where we are as well as whatever we are doing, math is always there whether you notice it or not. "To learn, you must want to be taught.' It is a tool in our hands to make our life simpler and easier. The present age is one of skill-development and innovations. The more mathematical we are in our approach, the more successful we will be. Problem-solving is one of the most**

important factors in our life. Math is one of the most effective ways to increase your analytical thinking. As I mentioned earlier, it also helps us to improve our logical thinking. Both this analytical thinking and logical thinking help us to become better problem solvers. In this way, we enhance our ability to solve the problem more effectively. The more we solve mathematics problems the better we solve the real-life problems.



By Sanmathi.



# **ENGLISH**

**Performing arts activities, in particular, provide students opportunities to develop skills needed to be successful both in life and at work. Music, theatre, and speech are ideal for developing what has been called the Four Cs of 21st century skills – critical thinking, communication, collaboration and creativity. The students got an opportunity to hone their skills in the form of class presentations. They have shown exemplary talent in the use of accent, tone and vocabulary. They have learnt to project their voices and deliver a dialogue.**

**They are trained to read extensively and discuss personal reading with others, including in reading groups, sustain engagement with longer texts, using different techniques to make the text come alive and compare how writers from different times and places present experiences and use language**

**As the exams are right at the corner, we have ensured that students are ready for the offline mode of examination. This is done by mock tests, revision classes and continuous assessments. Revision classes go beyond the text books and include videos and songs for better comprehension. It is indeed a remarkable feat for the students as they have shown extraordinary fervour in both theoretical and practical fields.**

**Ninth grade curriculum includes grammar, vocabulary, and composition. Students will also cover topics such as public speaking, literary analysis, citing sources, and writing reports.**

**Ninth grade English engages students in a rich, challenging year of growth as thinkers, readers, and writers. Instruction develops higher-order thinking through a focus on critical reading, essay writing, language usage and style, the elements of literature, and vocabulary development.**

**Grade 9 English allows students to develop their skills in oral communication, reading, writing, and media literacy; skills which are essential to their success both in academics and in their daily lives. Throughout this course, students will be asked to analyze literary texts from both contemporary and historical periods, as well as interpret informational and graphic texts. Students will also have the opportunity to learn multiple strategies for effective communication through the creation of oral, written and media texts.**

**This aim is to to develop the oral communication, reading, writing, and media literacy skills that students need for success in their secondary school academic programs and in their daily lives. Students will analyse literary texts from contemporary and historical periods, interpret informational and graphic texts, and create oral, written, and media texts in a variety of forms. An important focus will be on the use of strategies that contribute to effective communication. The course is intended to prepare students for the Grade 10 Academic English course, which leads to university or college preparation courses in Grades 11 and 12.**

**Link-**

**[https://drive.google.com/drive/folders/1iZHrr9CdvSgU2ioQqdbh\\_a\\_eRk\\_kyAdwy?usp=sharing](https://drive.google.com/drive/folders/1iZHrr9CdvSgU2ioQqdbh_a_eRk_kyAdwy?usp=sharing)**

**Reported speech – expressions**

Direct speech	Examples	Indirect speech	Examples
now	"I will do it <b>now</b> ."	then	He said (that) he would do it <b>then</b> .
today	"I have to do it <b>today</b> ."	that day	She told me (that) she had to do it <b>that day</b> .
tonight	"You should call <b>tonight</b> !"	that night	He told me (that) I should call <b>that night</b> .
last night	"I saw her <b>last night</b> !"	the previous night / the night before	She said (that) she'd seen her <b>the night before</b> .
tomorrow	"Call me <b>tomorrow</b> !"	the next day / the following day	He told me to call him <b>the next day</b> .
yesterday	"I arrived <b>yesterday</b> ."	the previous day / the day before	She told me (that) she'd arrived <b>the day before</b> .
this week	"We can do it <b>this week</b> ."	that week	She said (that) we could do it <b>that week</b> .
next week	"We can do it <b>next week</b> ."	the next week / the following week	He told me (that) we could do it <b>the next week</b> .
here	"This is <b>here</b> ."	there	She said (that) Tom was <b>there</b> .

last-english.com

Q. You are the secretary of the welfare organization of your school. Under your leadership, the organization was able to collect a substantial amount for the old age home, 'HELPME'. Express your sense of pride and happiness in the form of a diary entry.

ANSWER:

Sunday, 31 October 2021 ← Day, Date

(Leave a blank line)

Time: 10:45 P.M. ← Time

(Leave a blank line)

Dear Diary, ← Opening

(Leave a blank line)

I am proud to be a part of the Welfare Organization of my school as I always wanted to help the old people. Through various activities, we collected a sum of more of 2.3 lacs. This fund will take care of their health care, entertainment and adult education. ← Body

I feel content and happy like never before.

(Leave a blank line)

ABC ← Writer's name

To be written inside a box

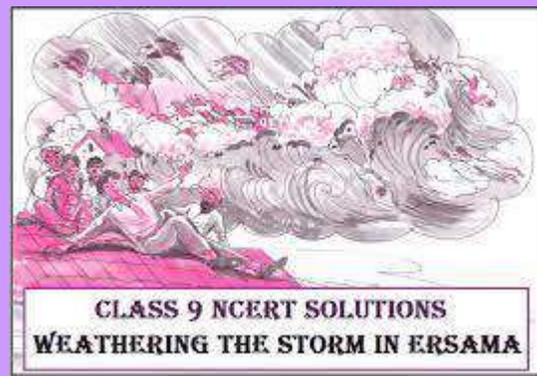
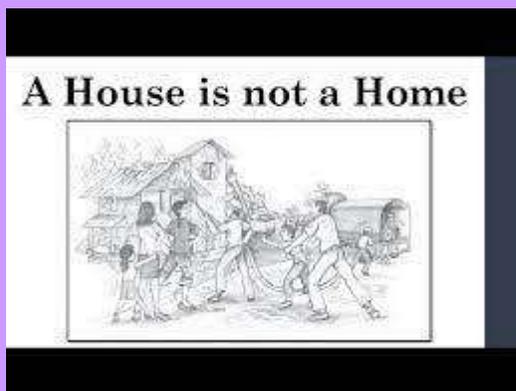
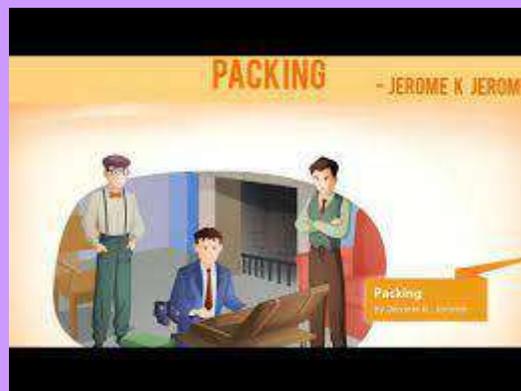
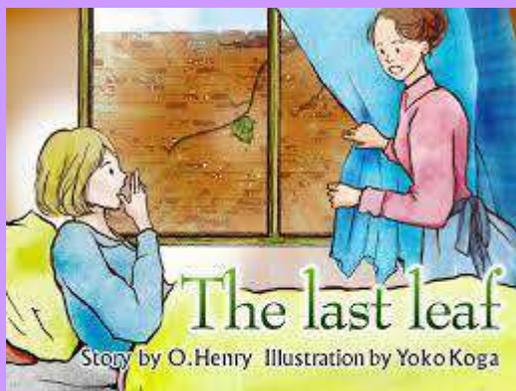
**Plot**  
**Outline a Short Story (Pre-writing)**

Write an outline for your short story, including notes on the following elements:

1. Setting – Describe it.
2. Conflict – Inciting force; main problem.
3. Rising Action – Briefly describe 3 crises that lead up to the climax.
4. Changes – What changes about the main character from the beginning to the end?
5. Climax – What will be the point of highest tension?
6. Conclusion – How will it turn out?

Have at least a sentence or two for each element.

Incorrect	Correct
When he parted with his sister, there were tears in his eyes.	When he parted from his sister, there were tears in his eyes.
The Hindu religion has been in exercise for time immemorial.	The Hindu religion has been in exercise from time immemorial.
Police are not allowed to enter into University Campus.	Police are not allowed to enter University Campus.
I found him leaning on the chair	I found him leaning over the chair
His house is very different and very superior to your house.	His house is very different from and very superior to your house.
None except the brave deserve the fair.	None but the brave deserve the fair.



# **GRADE 9 - SCIENCE**

**Science is one of the most important channels of knowledge. It has a specific role, as well as a variety of functions for the benefit of our society: creating new knowledge, improving education, and increasing the quality of our lives. Science must respond to societal needs and global challenges.**

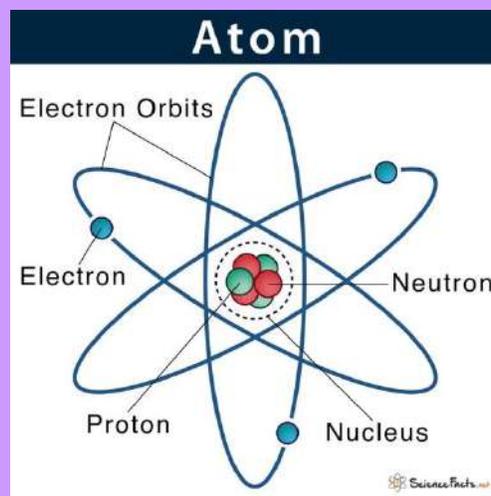
**Although inquiry and the scientific method are integral to science education and practice, every decision we make is based on these processes. In this way, science is one of the most important subjects students study, because it gives them the critical thinking skills they need in every subject.**

**The role that science and technology has played in improving the life conditions across the globe is vivid, but the benefit has to be harvested maximum by all countries. Science and technology has made life a lot easier and also a lot better with the advancement of medicines and analysis on diseases.**

**Students widened their knowledge in various aspects & have explored various concepts of science and also have take part in many cultural events and academic fairs showcasing their blend of talent and knowledge.**

## **Structure of an atom**

**The advances in atomic structure and quantum mechanics have led to the discovery of other fundamental particles. The discovery of subatomic particles has been the base for many other discoveries and inventions. The atomic structure of an**



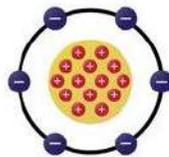
## ATOMIC MODELS



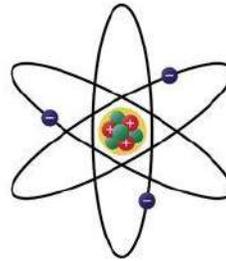
1803  
JOHN DALTON



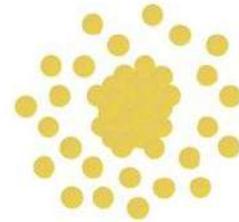
1904  
J.J. THOMSON



1911  
ERNEST RUTHERFORD



1913  
NIELS BOHR

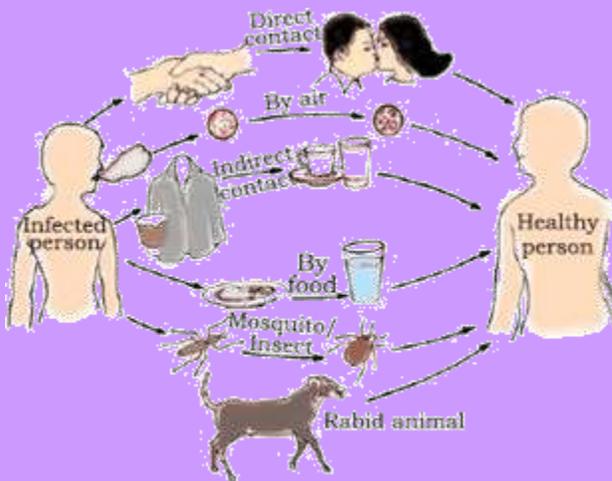


1926  
ERWIN SCHRÖDINGER

## WHY DO WE FALL ILL?

**Health is one of the most crucial aspects of an individual's life. Not being healthy or fit enough disables one from carrying out normal day-to-day activities. Time and again we keep hearing about how important it is to be healthy and what could possibly be the consequences of not taking care of oneself, An abnormal condition affecting an organism is known as a disease. These are medical conditions that involve a pathological process associated with some specific symptoms.**

Every disease has an origin. But there are certain diseases that are difficult to diagnose because of the confusing symptoms. The diseases may be autoimmune, bacterial, cancerous, digestive, sexually transmitted, etc. They can be cured by a number of strategies such as antibiotics, other medications and surgeries. Etc;



# **GRAVITATION:**

**Gravitation or just gravity is the force of attraction between any two bodies. All the objects in the universe attract each other with a certain amount of force, but in most of the cases, the force is too weak to be observed due to the very large distance of separation. Besides, gravity's range is infinite but the effect becomes weaker as objects move away.**

**This force of attraction was first observed by Sir Isaac Newton and was presented as Newton's law of gravitation in the year 1680. However, gravitation can generally exist in two main instances.**

## **1. Gravitation may be the attraction of objects by the earth**

**Example:**

**If a body (ball) is thrown upwards, it reaches a certain height and falls downwards because of the gravity of the earth.**

## **2. Gravitation may be the attraction of objects in outer space.**

**Example:**

**Force of attraction between the other planets and sun.**



### Newton's Universal Law of Gravitation

The Moon's Gravitational Field is causing the Earth to accelerate toward the Moon.

$$F_G = \frac{Gm_E m_M}{r_{EM}^2}$$

$F_{EM} = -F_{ME}$   
Newton's Third Law

The Earth's Gravitational Field is causing the Moon to accelerate toward the Earth.

© 2004 Thomson/Brooks/Cole

STOPPING POLLUTION CAN HELP IN REDUCTION OF EXPLOITATION OF AIR

7

# **GRADE 9- COMPUTERS**

**As a part of communication skills, students have introduced with one of the most important topics – entrepreneurial skills which is the mostly running across the world. They came to know the basic concepts of entrepreneurship like business activities and its various forms which supports for the future generations. Green skills, where the basics concepts of the environment and its related concepts like natural resources, pollution, deforestation etc...**

**In vocational skills, spreadsheet/electronic spreadsheets which helps to prepare the tabular data with respective functions and formulas. They created and worked for exercises to practice the excel options.**

**Students prepare the data consolidation task on the data.**

**Continued to the most interesting suite of MS suite- power point presentation or simple digital presentation. Students learnt the basic features and its different components which supports the different tools in it to make the professional presentations. Started to prepare the presentation with the interesting topics and presented to the class by sharing the screen.**

**PowerPoint presentation on topic robots in the slide sorter view which supports to change the series of slide by dragging action.**

**Students even conducted with many practical sessions in the lab for the academics on both excel as well with digital presentation..**

# January Sale

Region	Total Sale
North	100000
East	56000
West	98000
South	110000
Central	58000

# February Sale

Region	Total Sale
North	78000
East	60000
West	95000
South	100000
Central	47000

# March Sale

Region	Total sale
North	99000
East	45000
West	25000
South	87000
Central	64000

## ROBOT

### THE MAN-MADE HUMAN



Rishiika  
Grade 9

1

\*

### WHAT ARE ROBOTS?

A robot is a machine—especially one programmable by a computer—capable of carrying out a complex series of actions automatically. [2] A robot can be guided by an external control device, or the control may be embedded within. Robots may be constructed to mimic human form, but most robots are task-performing machines, designed with an emphasis on work functions by remote (wireless) or direct (wired) control. Simply we can tell that robot is a man-made human who can do work instead of us. The term robot comes from a Slavic root, robot-, with meanings associated with labor.




2

\*

### WHO INVENTED ROBOTS?

Joseph A. Engel is the one who popularized robots. As one of a visionary who emerged in the 1930's, the electronic brain of controlling robots, he invented the three laws of robotics:

- A robot may not harm a human through action or inaction, allow human to come to harm.
- A robot must obey the orders given by human beings, except when such orders conflict with the first law.
- A robot must protect its own existence as long as it does not conflict with the first or second law.



3

\*

### USES OF ROBOTS

- Robots have replaced humans in performing repetitive and dangerous tasks which humans prefer not to do, or are unable to do because of size limitations, or which take place in extreme environments such as outer space or the bottom of the sea. There are concerns about the increasing use of robots and their role in society. Robots are blamed for rising technological unemployment as they replace workers in increasing numbers of functions [1]. The use of robots in military combat raises ethical concerns. The possibilities of robot autonomy and potential repercussions have been addressed in fiction and may be a realistic concern in the future.
- Robots are used in different fields and hence there are types. Examples:
  - Educational (interactive) robots
  - Medical robot
  - Collaborative robots
  - Military robots




4

\*

## THANK YOU!



5

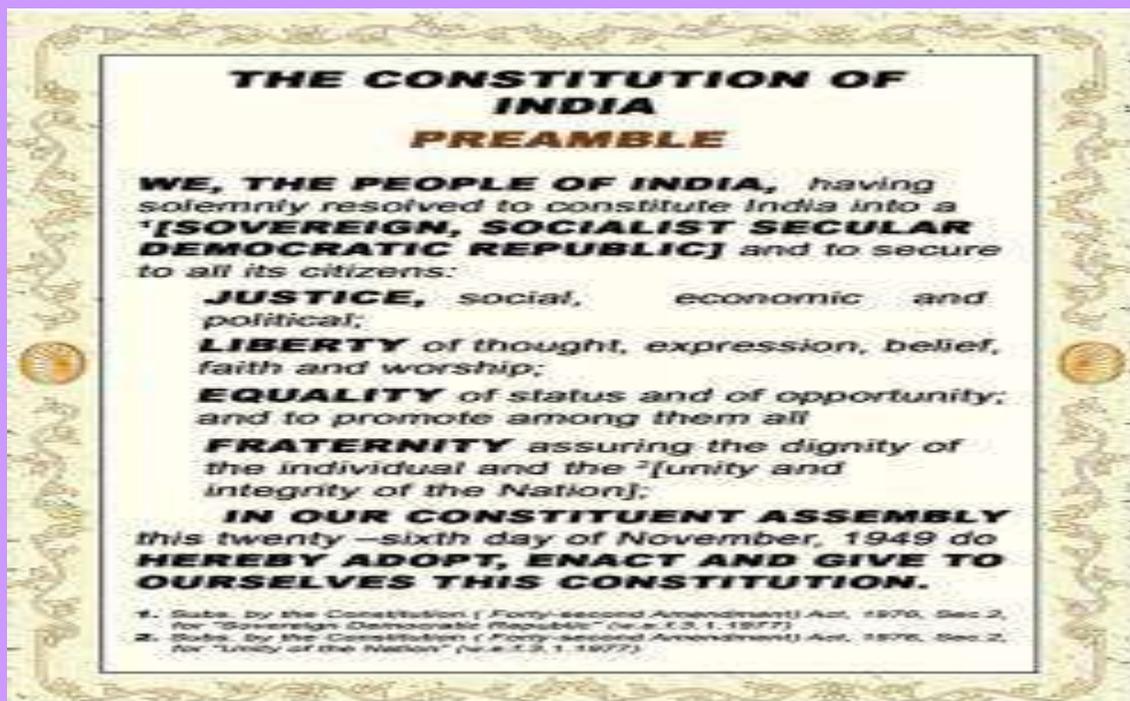
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# GRADE: 9 SOCIAL SCIENCE (TERM-II)

## NEWS LETTER

Social Science is the study of the activities of the physical and social environment. It is the study of human relations or the scientific study of human society. It deals with the humans and their relationships, behaviour, development and resources they use and many kinds of organizations they need to carry in their daily life like the workplace, school, family, government, etc. It is important because its study helps us to gain knowledge of the society we live in. Generally, Social Science focuses on the relationships among individuals in society. It is the mixture of many subjects like History, Geography, Political Science, Economics and many more.

### DEMOCRATIC POLITICAL LIFE-1.2.CONSTITUTIONAL DESIGN



**Social Studies connects student thinking with real world contexts from local to global scales. Social Studies education is essential in supporting students to interact with difference within communities. Basically social studies aims to promote knowledge about the world through subjects such as political science, history, economics and geography and to enable people to utilize these disciplines to better understand and form opinions about civic issues that affect people and their families.**

**Political Science[Civics]: Constitution Design: Political Life empowers us to be well-informed, active citizens and gives us the opportunity to change the world around us. It is a vital part of any democracy, and equips ordinary people with knowledge about our democracy and our Constitution.**

**The constitution tells us the important things about the quality and temper of political behaviour in the country and at the same time points out the active sources of political powers. Without knowledge of the constitution, we cannot know whether there has been any breach of any provision of the constitution. From this we may further go to know: who has broken the rule? Why has the rule been broken? What are the effects of such breach of rules?**

**Lastly, from a study of the constitution we have an exact knowledge of what happens or who does what, where and when a highly important affair occasions.**

# **GRADE-X**

## **(NOV- MARCH)**

### **ENGLISH**

**For all class 10 students, who are going to take their first board exams, this is the most crucial time to**

**become ready for the challenge. We at Kairos, ensure that the student not only completes the syllabus**

**comfortably but also embraces the practical usage of the language. A reading list has been provided to**

**hone the reading and vocabulary skills of the student.**

**As the boards are right at the corner, we have ensured that the student is ready for the examination.**

**This is done by mock tests, revision classes and continuous assessments. Revision classes go beyond the**

**text books and include videos and songs for better comprehension..**

**The 10 th graders have developed the ability to identify and gain skills and strategies – through modeling**

**of effective skills, students learn to choose and utilize varied techniques to become effective readers,**

**writers, and oral communicators.**

**Students are exposed to a variety of genres throughout the course and develop skills to analyze and**

**evaluate the effectiveness of texts which may include poems, short stories, novels, non-fiction texts, plays, videos, and songs or other media texts from a wide range of cultures and time periods. Students identify and use various strategies including building vocabulary, learning to understand and use features and organization of texts, and developing knowledge of conventions. Throughout the course, students develop into stronger readers, writers, and oral communicators while making connections to the workplace and international events.**

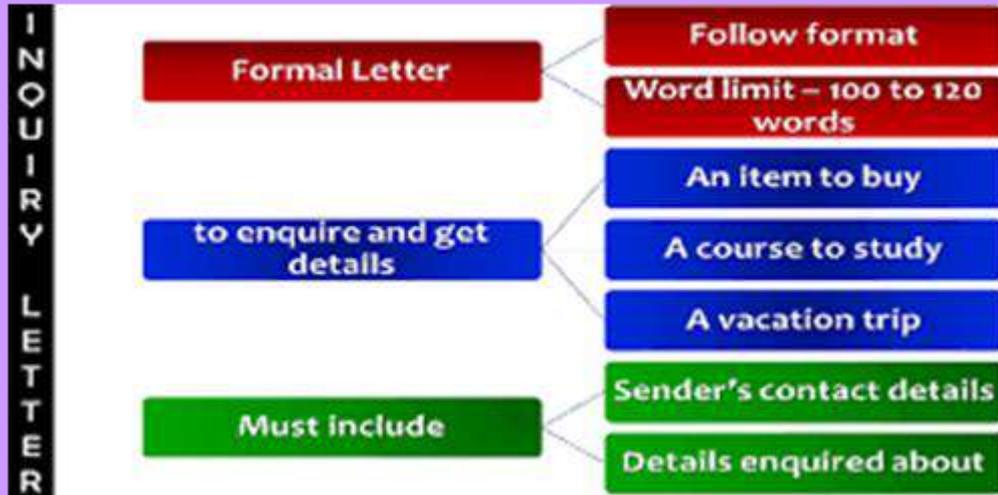
**Teachers encourage students to design their own approaches to the material and how students respond to topics and questions, and by encouraging students' independent thinking through discussion posts.**

**Students learn to critically analyse texts and to use implied and stated evidence from texts to support their analyses. Students use their critical thinking skills to identify perspectives in texts, including biases that may be present.**

**Through the use of drafts, discussion boards and other elements of the course, students reflect on the learning process, focus on areas for improvement, and make extensions between course content and their personal experiences**

Link-

[https://drive.google.com/drive/folders/1jfxOgVL1xFN0e5C82PmtVON06uNhLU4\\_?usp=sharing](https://drive.google.com/drive/folders/1jfxOgVL1xFN0e5C82PmtVON06uNhLU4_?usp=sharing)



Sender's Address unacademy

Date

Designation of the receiver  
Address of the receiver

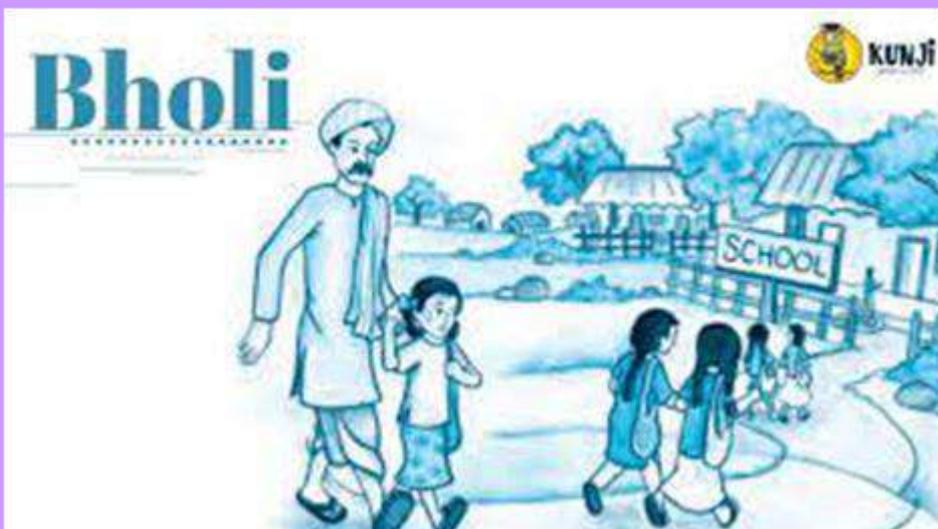
Subject:  
Sir/Mem,

BODY OF THE LETTER

Thanking You  
Yours Faithfully/Sincerely  
Writer's Name

Fiction	Non-fiction
<p>Refers to plot, settings and characters created from the <b>imagination</b>.</p> <p>We read or watch this material for <b>fun</b>.</p>  <p><b>Example:</b></p> <ul style="list-style-type: none"><li>• A book about a cat that talks.</li><li>• A cartoon on TV.</li></ul>	<p>Refers to factual stories that are based on <b>real people</b> and <b>true events</b>.</p> <p>We read or watch this material for <b>information</b>.</p>  <p><b>Example:</b></p> <ul style="list-style-type: none"><li>• A book about animal life cycle.</li><li>• A documentary on TV.</li></ul>

# THE MAKING OF A SCIENTIST



Don't eat that chocolate, Amanda!  
Remember your acne, Amanda!  
Will you please look at me when I'm speaking to you,  
Amanda!

# **SCIENCE**

**Science helps our understanding of the world around us. Everything we know about the universe, from how trees reproduce to what an atom is made up of, is the result of scientific research and experiment. Human progress throughout history has largely rested on advances in science. Through science and technology, it is easier for inhabitants to communicate with other people around the globe. It is also significant in the field of business because transactions and other events are done through the computer. Science and technology enables every people to live in an easy and modern way of life.**

**Science is involved in cooking, eating, breathing, driving, playing, etc. The fabric we wear, the brush and paste we use, the shampoo, the talcum powder, the oil we apply, everything is the consequence of advancement of science. Life is unimaginable without all this, as it has become a necessity.**

**Grade 10 students have understood and applied a lot of topics into practical application along with learning them.**

**Students widened their knowledge in various aspects & have explored various concepts of science and also have take part in many cultural events and academic fairs showcasing their blend of talent and knowledge.**

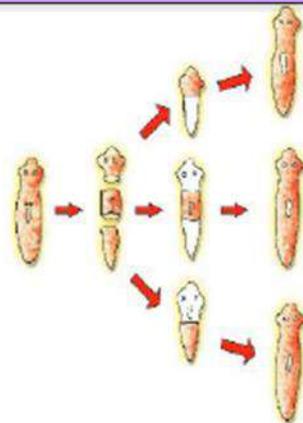
## **HOW DO ORGANISMS REPRODUCE?**

**Organisms reproduce to continue the chain of life, to pass on its genes which are acquired over millennia. Reproduction is essentially a process by which individuals produce new individuals of the same kind. And this process is very important for the existence of life on earth.**

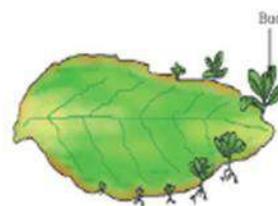
**Different organisms reproduce in different ways.**

**The organisms reproduce in two ways:**

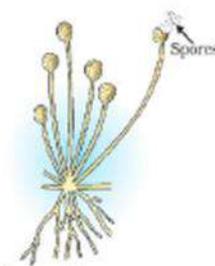
- 1. Asexual Reproduction– In this process, only a single parent is involved and no gamete formation takes place.**
- 2. Sexual Reproduction– In this process, two parents are involved and gamete formation takes place. Meiosis is an important step in sexual reproduction.**



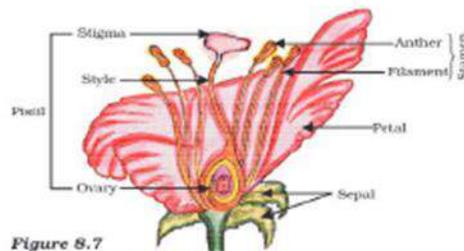
**Figure 8.3** Regeneration in Planaria



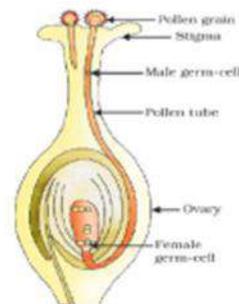
**Figure 8.5** Leaf of Bryophyllum with buds



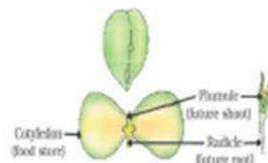
**Figure 8.6** Spore formation in Rhizopus



**Figure 8.7** Longitudinal section of flower



**Figure 8.8** Germination of pollen on stigma



**Figure 8.9** Germination

# **HEREDITY AND EVOLUTION**

**Heredity and Evolution are the most essential and fundamental branches of biology and are linked to each other through inheritable traits. These two terminologies help us to learn and understand about the continuity of the life cycle on the planet Earth. Both the terms are correlated to each other and without heredity, there can be no evolution. Genetics is that branch of biology that deals with the terms heredity, genes, variation, and evolution.**

**The natural phenomena of transferring traits or characteristics through genes from both the parent to their offspring are defined as Heredity. It is the tool for continuity of features from one generation to the next generations which are observed in all sexual reproduction and occurs during meiosis cell division and fertilization process.**

**Gregor Mendel, a German scientist, who is known as the Father of Genetics conducted many research and several experiments on pea plants to prove the inheritance of traits. According to his experiments, Laws of Inheritance can be summarized under the following categories:**

**Law of Dominance**

**Law of Segregation**

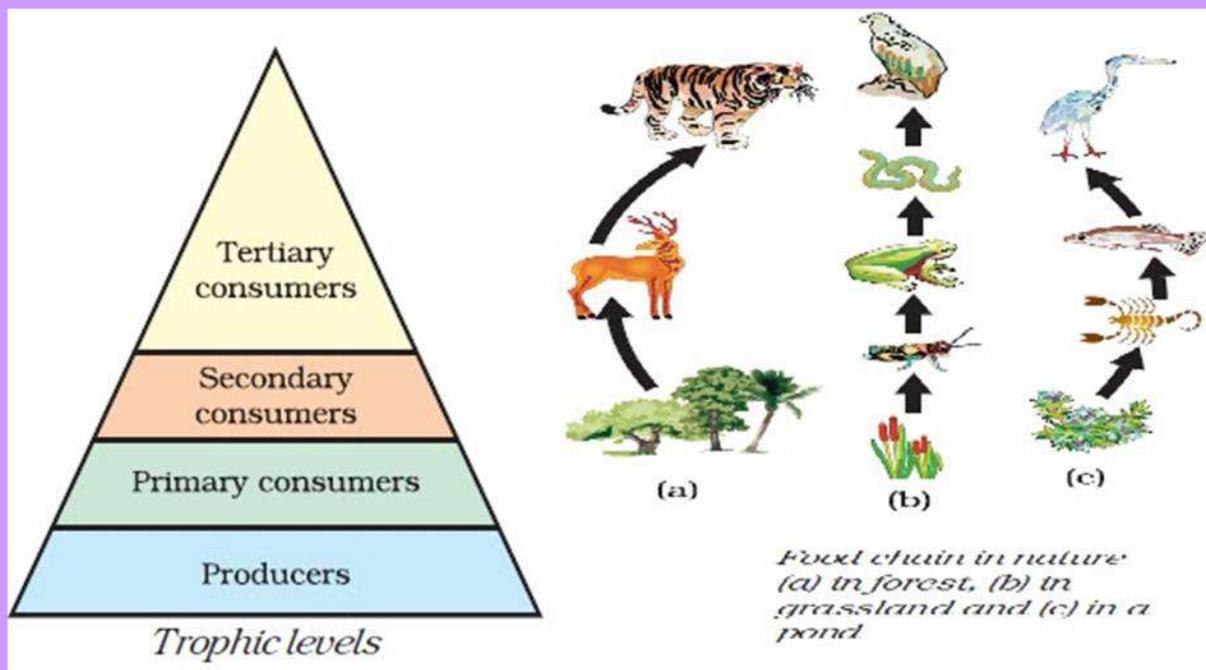
**A principle of Independent Assortment**

## **OUR ENVIRONMENT**

**An Environment is everything that is around us, which includes both living and non-living things such as soil, water, animals and plants, which adapt themselves to their surroundings. It is nature's gift that helps in nourishing life on the earth.**

The environment plays an important role in the existence of life on the planet earth. The word Environment is derived from the French word “Environ” which meaning “surrounding.” An ecosystem refers to all the living and the non-living things present in the environment and it is a foundation of the Biosphere, which determines the health of the entire planet earth.

Ecology and Environmental science are the branches of life science, which mainly deal with the study of organisms and their interactions among organisms and their environment.



## MAGNETIC EFFECTS OF CURRENT

**Magnetic Effect of Electric Current** – A magnetic field is a force field that is created by magnetic dipoles and moving electric charges, and it exerts a force on other nearby moving charges and magnetic dipoles. Magnetic Field is a vector quantity because it has both magnitude and direction. A magnetic field line or lines of forces shows the strength of a

magnet and the direction of a magnet's force. It was discovered by Michael Faraday to visualize the magnetic field. Magnetic field lines are directed from South Pole to North Pole inside the magnet and from North Pole to South Pole outside the magnet.

## **CARBON & ITS COMPOUNDS**

Carbon compounds are present everywhere i.e. in the food that we eat, the clothes that we wear and even in the lead of the pencil by which we write. The atomic number of carbon is 6 and the atomic mass is  $12.01\text{g mol}^{-1}$ . Carbon is a member of the 14th group. According to the data, it is the seventeenth most abundant element found on earth. It is found in both free as well as in the combined state. You can find it available as coal, graphite in the elemental state. Whereas it is present as metal carbonates, hydrocarbons, and carbon dioxide gas in the combined state. When it combines with other elements such as dihydrogen, dioxygen, chlorine, and sulphur provides amazing arrays of materials that can vary from tissues to medicines. In Organic Chemistry, everything is surrounded by carbon compounds. It is one of the most essential components of living organisms. There are two stable isotopes of carbon  $^{12}\text{C}$  and  $^{13}\text{C}$ . After these two one more isotope of carbon is present  $^{14}\text{C}$ . Carbon is used for radiocarbon dating and it is also a radioisotope with a half-life of 5770 years.

# **PERIODIC CLASSIFICATION OF ELEMENTS**

**All existing matter in our surroundings is made up of basic units known as elements. Initially, in 1800, only 31 chemical elements were discovered. After some advancement in technology in 1865, about 63 more elements were discovered. This created the need for the periodic classification of elements.**

**Presently, there are 118 elements known to us. Out of these 118 chemical elements, some elements are man-made.**

**It was observed that elements show periodicity in their properties. Many tables were made to arrange the elements in an ordered manner based on their characteristics to study the properties of elements in a fixed pattern in the long form periodic table the elements are arranged in the order of their atomic numbers. Atomic number of an element is equal to the number of protons inside the nucleus of its atom.**

**The general features of the long form periodic table are:**

**There are in all, 18 vertical columns and 18 groups in the long form periodic table.**

**These groups are numbered from 1 to 18 starting from the left.**

**There are seven horizontal rows called periods in the long form periodic table. Thus, there are seven periods in the long form periodic table.**

**The elements of Groups 1, 2 and 13 to 17 are called the main group elements. These are also called typical or representative or normal elements.**

**The elements of Groups 3 to 12 are called transition elements.**





**Sustainable products —**  
 - to prevent environmental damage.  
 - Renewable energy to meet your needs.

**Recycle · Reuse. —**  
 - Plastic? No, metal, Or glass.  
 Or Reuseable plastic.  
 - Waste food? Compost.  
 - Waste paper, metal, plastic?  
 Recycling centers to the rescue!

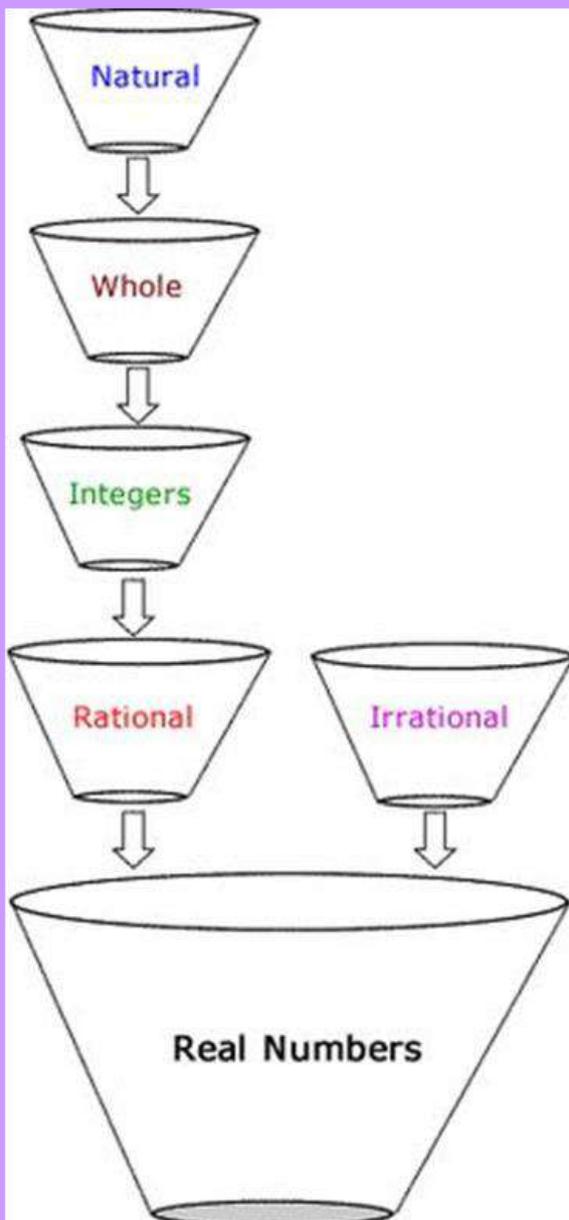
**Manage Thermostats —**  
 > Mange your heaters, fridge,  
 A.C's please. <

# MATHEMATICS

Numbers play an important role in our lives. Almost all the things we do involve numbers and Mathematics. Whether we like it or not, our life revolves in numbers since the day we were born. There are numerous numbers directly or indirectly connected to our lives. The following are some uses of numbers in our daily life:

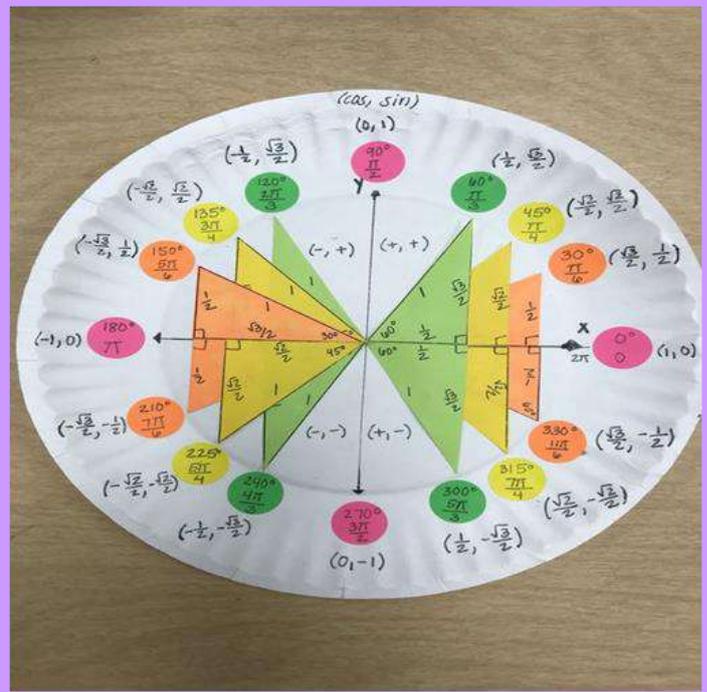
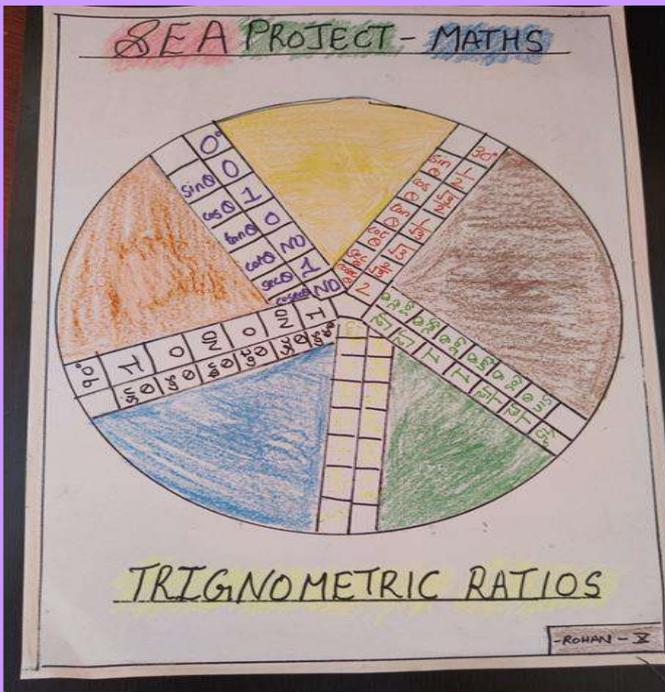
1. Calling a member of a family or a friend using mobile phone.

2. Calculating your daily budget for your food, transportation, and other expenses.
3. Cooking or anything that involves the idea of proportion and percentage.
4. Weighing fruits, vegetables, meat, chicken, and others in market.
5. Using elevators to go places or floors in the building.
6. Looking at the price of discounted items in a shopping mall.



7. Looking for the number of people who liked your post on Face book.
8. Switching the channels of your favourite TV shows.
9. Telling time you spent on work or school.
10. Computing the interest you gained on your business.

**Trigonometry is an essential concept in our daily life. Students of Gr-10 prepared few models on Trigonometry**



## SOCIAL STUDIES

Social science includes many subjects each subject give us different knowledge like history provide the knowledge of the ancient period, from this subject we come to know that what happened in the past. Another subject is Geography from this subject we know about our natural environment or natural vegetation's like plants, animals, etc. We also learn about the evolution of animals, water bodies, flora, fauna, the impact of the environment in the present and future life, preservation and conservation importance in our life. Political Science is the subject from which we know about politics, democracy and the fundamental proficiencies poverty rate in the world, citizenships, moral and virtues, rights and duties etc. Economics is the subject from which we learn how to manage the finances, about effective economic policies etc. From social science, students know about the different culture and religion in the world and how to value and respect our culture.



**Students learnt how processing of raw materials in industries and converting them in two more value-added, more useful products is known as manufacturing.**

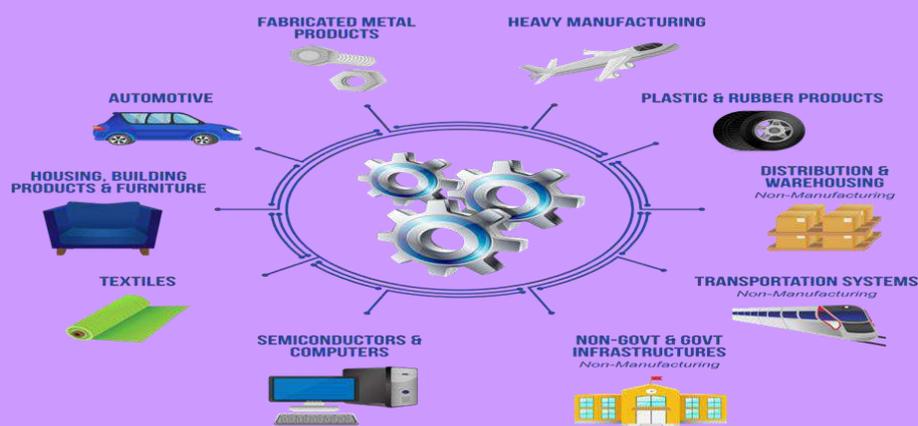
**Students learnt manufacturing industries play key role in economic development; therefore they are called the back bone of the economy.**

**They learnt how Industries modernize agriculture by providing tools and machines and provide jobs to people, reducing dependence on agriculture. Industrial development also helps in removing poverty and unemployment**

**They learnt classification of Industries: a. Agriculture industries b. Mineral based industries.**

**Through mapping skill students able to understand where Agriculture industries and Mineral based industries located in India.**

**Finally Students understood through this lesson not to make Industrial Pollution and Environmental Degradation.**



# **ECONOMICS**

**Social studies are also important for teaching students basic values, such as justice and equality, which are the foundation of modern society. For every student, social studies are often based around being a good member of the community at the local level. For example, the early levels talk about neighbourhood relationships, social responsibility in terms of helping others, and then understanding how the individual affects the group. A good understanding of how history has influenced the modern world gives people knowledge that they can apply to other subjects and everyday life.**

**Economics is the study of how humans make decisions in the face of scarcity. These can be individual decisions, family decisions, business decisions or societal decisions. If you look around carefully, you will see that scarcity is a fact of life. Scarcity means that human wants for goods, services and resources exceed what is available. Studying economics provides one with not just an understanding of human behaviour, but also cultivates in students the problem-solving, analytical, communication and persuasion skills that are critical for success in today's job market. In our daily lives, we are called to make choices at our homes and in the marketplace, how much to spend and save, how to allocate our savings between different kinds of financial assets, whether to take a regular cab or an Uber, how much to pay for health insurance, whether to switch jobs, to move to a different city, where to go for vacation, and so on.**

## Money & Credit

Money as a medium of exchange

modern forms of money

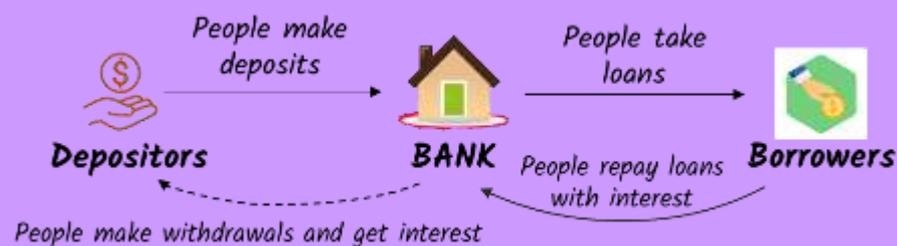
loan activities of bank

two different credit situations

term of credit

formal sector credit in India

Self Help Groups for the poor



The students also learnt a lot through a fair that was organised in school related to social science

<https://drive.google.com/file/d/1ZBTUJrsJZ-4Mgo-SzKdm-nlw5YSeJ9rl/view?usp=drivesdk>

**EVENTS**  
**@**  
**KAIROS**  
**GLOBAL**  
**SCHOOL**

**TERM-II- 2021-22**

**Kairos has always firmly believed that Co-curricular activities improve the learning experiences of students, help them identify and develop their inner talents like creative & public-speaking skills, leadership qualities, etc. Co-curricular activities offer them an opportunity of thinking unusually and getting the innovative ideas of their own. These activities help the students develop an enriched learning experience by providing them a chance of imagining new ways of solving an issue or answering a question.**

**Kairos motivate students to participate in a wide range of activities that give them better strength while letting them choose what they wish to learn what they enjoy. Co-curricular activities help students sharpen their communication skills, expression skills, public speaking, participation, and sense of belongingness through different types of activities like debates, extempore, recitation, art and craft and sports. This ultimately helps in developing their overall personality. Here are a number of events that Kairos hosted for the students.**

# CHILDREN'S DAY

India celebrates Children's Day on 14<sup>th</sup> November every year as a tribute to our first Prime Minister Jawaharlal Nehru. Nehru, fondly called Chacha Nehru, was born on November 14, 1889 – shared an affectionate bond with children. Nehru's love for children was abundant thus he advocated children to have fulfilled childhood. He also stood up for children's education. On this special day, the teachers took the opportunity to tell all the precious students, how special they are for them with beautiful speeches, exciting games and wonderful performances.



# IMELA PROVOLIS – DISPLAY DAY FOR PRE-PRIMARY

There are two bequests we can give our children-One is roots. The other is wings!!

To provide both Roots and Wings to the kids, Kairos Global School organized the Pre- Primary Display Day “Imela Provolis” on 27<sup>th</sup> November 2021.It was a treat to watch the tiny Kairosians speak about each topic so confidently. The parents too were happy and excited to hear their kids speak and gave their valuable feedback.



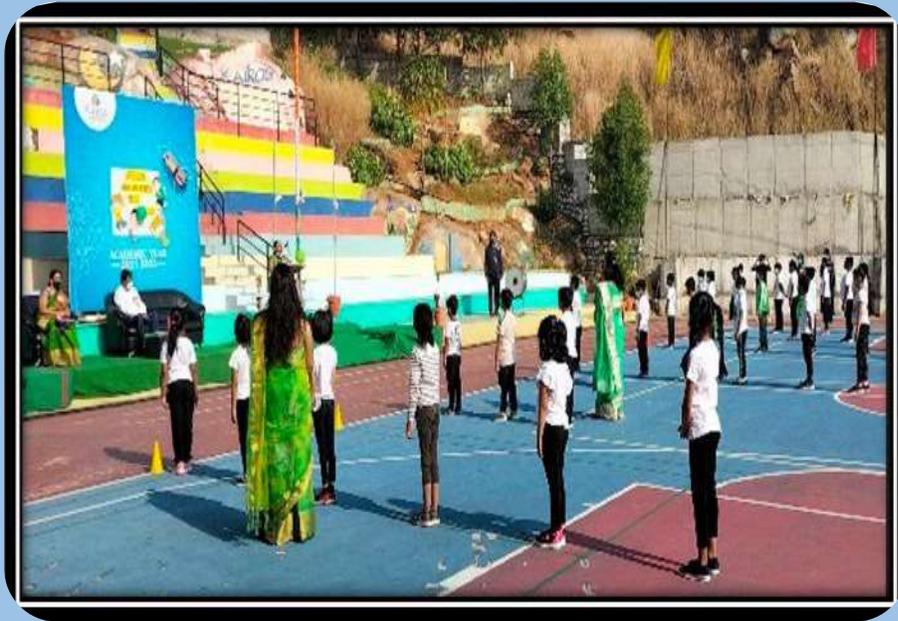


# ANNUAL SPORTS MEET ATHLON FOR JUNIORS AND SENIORS

## JUNIORS' SPORTS MEET

After immense hard work and grueling practice sessions by the Kairosians, it was the day for them to shine. Every child participated in a number of sports events ranging from 50 m races, 100 m races, obstacle races and grooved to the energising beats of zumba. The school ensured active involvement of the parents as well and they earnestly took part in the fun events and races and showed exemplary.





# SENIOR SPORTS MEET

After weeks of arduous training and contesting for an invaluable position in the finals, the students were ready to shine and give their best. Their faces gleamed with utmost dedication as they fixed their eyes firmly on the coveted trophies. The students competed in a number of sports such as cricket, basketball, table tennis, chess, badminton, 100 m races and many more. The school ensured active involvement of the parents as well. They earnestly took part in the fun events and races and showed exemplary sportsmanship. The entire ground bustled with vivacity and enthusiasm as everyone cheered on.



# **EUNOIA-INSPIRING**

## **MINDS (STUDENTS LED CONFERENCE)**

**The students of grades 6-9 worked relentlessly to exhibit their inimitable creativity, talent and mastery in the fields of Science, Social Studies and English Language.**

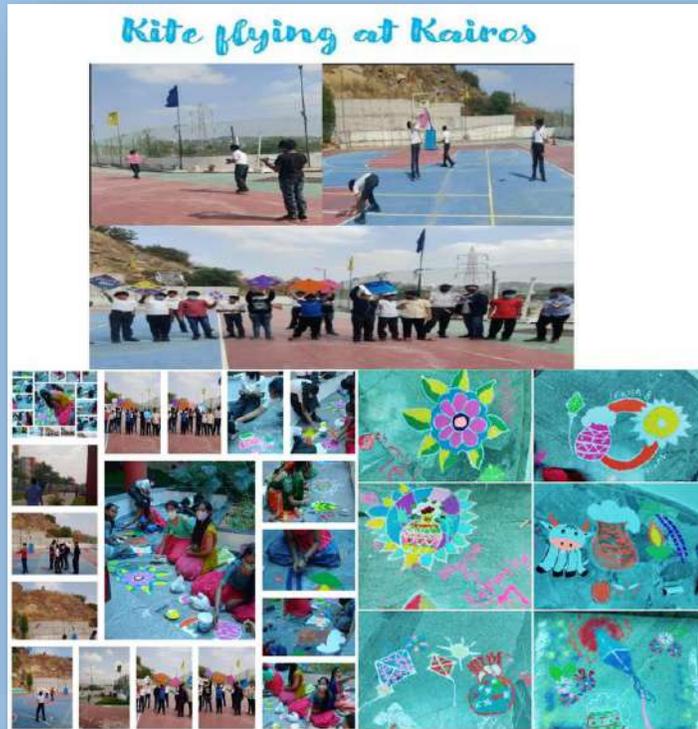
**Students traversed a range of topics in English language ranging from Storytelling, anime, LSRW skills to vocabulary games and activities exhibiting exemplary skills in the language. In the field of science, the students navigated through the branches of science and developed innovative and awe-inspiring working models which included the physiology of an arm, circulatory system, hologram, earthquake detector alarm and many more. The Social Studies area gave an intrinsic view into the world with magnificent working models of Waste water treatment plant, Seismograph, Metal detector, fire alarm, Electronic Voting machine etc.**



# SANKRANTI CELEBRATION

**Kairos Global School celebrated MakarSankranti with a lot of zeal and enthusiasm**

**The celebration commenced with a detailed history of the festival and the importance of it in the form of speeches in English, Hindi and Telugu. This was followed by spectacular dance performances by the students welcoming the advent of Makar Sankranti. Last but not the least Sankranti is all about prayers, rangolis and kites. Colourful kites filled the sky. It was a sight to treasure as the children moved around with cheerful faces and colorful kites .Rangolis were a spectacle for everyone as the students made vibrant and vivid rangoli designs bringing out the flavour and essence of the festival. The celebrations concluded with a note from the principal Mrs. Srilakshmi Merapala making the students aware of these traditions in our lives.**



# REPUBLIC DAY

**Kairos Global School hosted the virtual 73<sup>rd</sup> Republic day celebrations and it was full of patriotic fervor and zest. The students took immense pride in glorifying and celebrating the spirit of unity and brotherhood. The event commenced with the hoisting of national flag which was followed by the rhythmic March past to the reverberating drum beats. The national anthem by the students infused a feeling of patriotism and a sense of belonging in the hearts of everyone.**



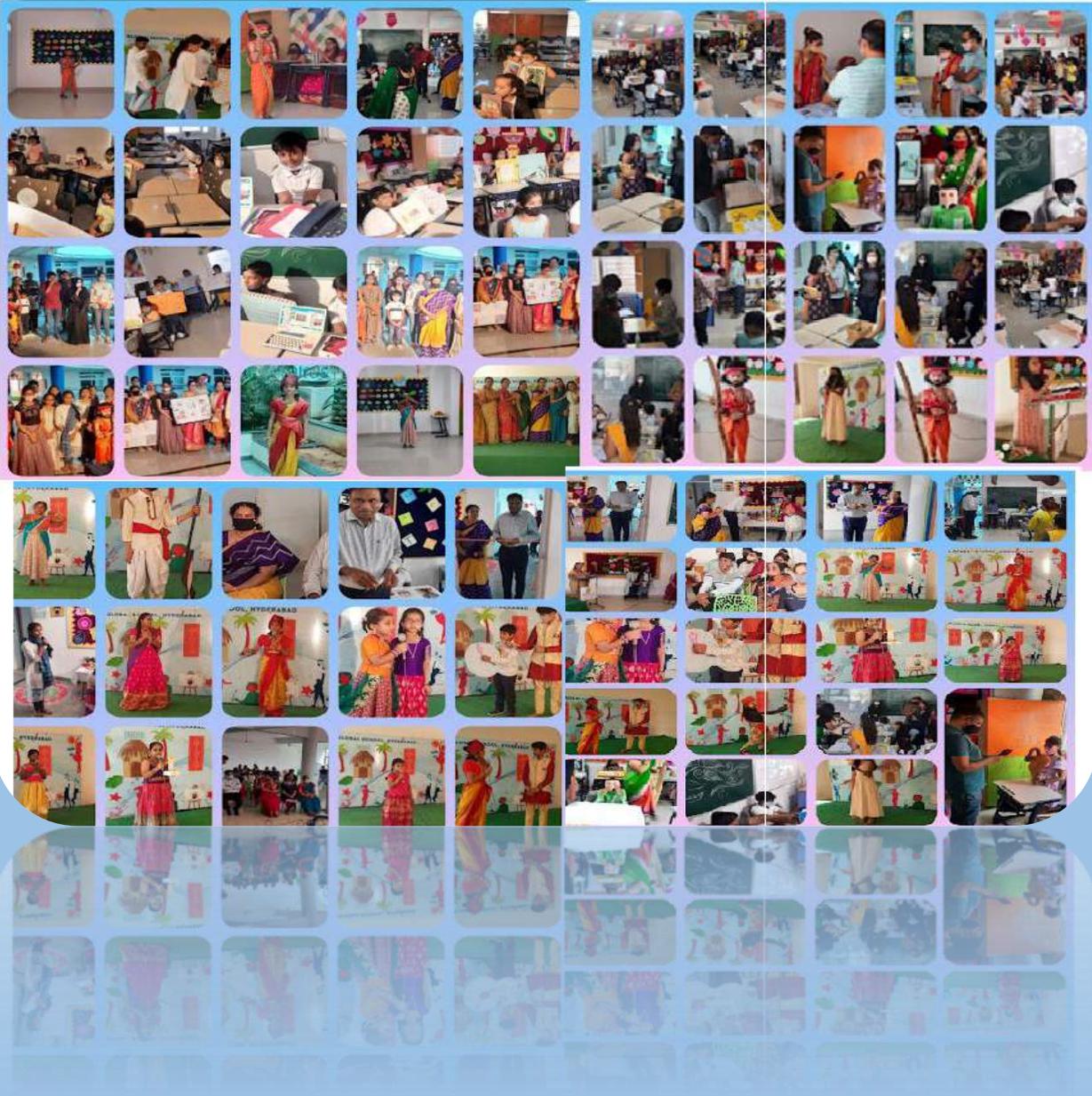
# LANGUAGE DAY CELEBRATION

**Culture and language are inextricably linked and we can't learn one without knowing the other .Whether its local folklore or everyday conversation, language and culture always go hand in hand. Our basic**

**traditions, ideals, and interpersonal interactions are all influenced by culture and our language binds us all.**

**To celebrate the beautiful intricacies of our language and culture, the students of grades 1-8 displayed their unique creativity, talent and mastery in the acquisition and development of languages and its application in various areas. To celebrate the rich legacy of Telugu and Hindi languages, the students presented and enacted a myriad of performances resorting to communication and collaboration with Theatre arts and music. These include dances to the reverberating beats of 'Rang de basanti', 'TheneKanna Thiyanaina', skits on girl child education, child labour and other social issues, storytelling, shlokas and speeches. Students also represented different cultures and religions of the country and the unsung heroes of the freedom struggle. The students showed exemplary creativity, talent and mastery in each and every performance and mesmerized the audience.**

# LANGUAGE FESTIVAL 2021-22



# ART AND CRAFT

Kairos believes that Arts and craft is a beautiful way to instil a sense of achievement and pride in our children, boosting their self-confidence and giving them the sweet freedom to create whatever they desire. This in turn ignites their creativity and develops their artistic bent of mind .Kairos arranged for an art and craft activity competition for grades 1- 5 to encourage their artistic skills.



# CLUB DISPLAY DAY- TECHNE AND DIADRASTIKO

School clubs are the stepping stones to create small communities. Students sharing the same interests come together to develop a sense of unity and teamwork and in turn hone their social skills. Kairosians of grade 6-grade 9 got the opportunity to display their best work in various areas of art and interaction.

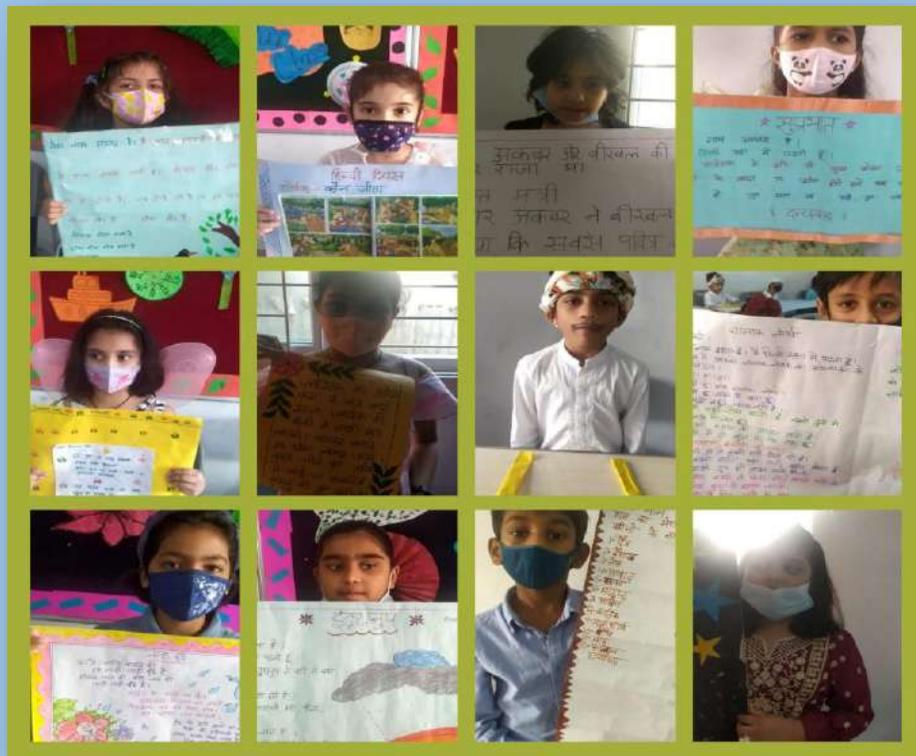


# PAIDEIA- THE ACADEMIC FAIR

**Kairos Global school organised 'Paideia', a one of a kind Academic Fair for students right from the Kindergarten to Grade 10 on the 26<sup>th</sup> of February, 2022.**

**The students worked single-handedly to display their unique creativity, distinctive talent and mastery in the fields of Science, Social**

Studies, English, Computer and Mathematics. The students navigated through a multitude of topics such as world famous writers to genres of fiction in English, DNA extraction of a banana to working of an air cooler in Science and creative elimination to 3D World in mathematics .The ICT (Information and Communication technology) witnessed phenomenal projects on Drone theory , Cloud Computing, Computer topologies etc. Social sciences too mesmerized the audience with equally entertaining and thought provoking projects on environment and pollution. The parents let their inner child take over as they enthusiastically participated in exciting games and activities.



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# GRADUATION DAY

Kindergarten graduation day was an exciting milestone for pre-primary children as it was their first step towards a future full of hopes and possibilities. It marked a new beginning that added new dimensions to their school life and the journey they begin towards knowledge and education.

# GR-PP2 GRADUATION DAY 2021-2022





# HIGH LIGHTS

\*Year round abundant activities like Paideia-The academic fair, club displays, Eunoia-The student led conferences, Athlon-The sports meet, Language Festivals, Investiture ceremony, quiz, debates, talent shows, art and craft, presentations, festivals and multitude of competitions to amplify the confidence and skills in students.

\*The academic far provides a platform for students to hone their skills and credence in areas of Science, Social, English, Math and computer. The Student Led conference is a platform for students to bring out their unique innovations in different subjects and integrating the same in their existing curriculum. The language festivals on the other hand bring forth the deep rooted cultural values of language learning. The sports meet ignites the passion for winning and the spirit for healthy competition and team spirit. The number of competitions also foster a 'can do' attitude and the zeal for attaining perfection.

**KAIROS GLOBAL SCHOOL**

## Display of athletic skills at sports meet

Kairos Global School organised a magnificent sports extravaganza "Athlon-The Annual Sports Meet" for the pre-primary section on January 8 pm the school campus. Students participated in various sports activities with enthusiasm and manifested their athletic skills with unimpeachable finesse.

The event commenced with a welcome song by Radha Niraj Simant and the Olympic torch relay followed by the flag hoisting by school principal.

Principal Sri Lakshmi Meralpa enlightened the gathering on the importance of sports and physical fitness and wished that students make a mark for themselves in the sports arena at all levels. The principal declared the annual sports meet open.

Once the sports events began, the air was filled with cheering and tons of encouragement for the young athletes. Events like running race, lemon and spoon race, hurdle race provided the spectators much amusement.



Prizes were distributed to the winners. The first winner for every category was awarded a gold medal, followed by the second winner with a silver medal and the third winner with a bronze medal.

The school ensured the active involvement of the parents who had turned up with great enthusiasm to motivate and cheer the young athletes. They earnestly took part in the fun events and showed exemplary sportsmanship. The winning parents were awarded trophies to keep their spirits high.

The children learnt a lot about true sportsmanship and the value of playing games. The programme ended with a vote of thanks.

# An extravagant display of talent, skills



Kairos Global School organised the first pre-primary display day 'Small Showers' on February 10. Kids participated in the event with great energy and passion to showcase their talent. The occasion was graced by the presence of dignitaries including chairman Dr B. Prasad Reddy, principal Srilakshmi Merapala, teachers and staff. The

parents also turned up in the large numbers to witness their offspring display their skills. With a vision of holistic training, it was clear for the tiny tots to shine and give their best. The kids spoke confidently about topics ranging from love to cars, the environment, names of languages, CPC, words, numbers, animals, good habits and the diverse heritage and culture of

our country, through various projects and worksheets. It was a great treat to watch the tiny tots come up to introduce themselves and speak about their projects in front of the audience confidently. These performances began on the song 'I love my India' around a score of participants in the front of the audience and was appreciated for the same.

# Kids' oratory skills stun audience



There are two bequests we can give to our children. One is roots, while the other is wings. To provide both roots and wings to the kids, Kairos Global School organised the pre-primary display day "Imela Prolis" recently. It was inaugurated by chair-

principal Srilakshmi Merapala in the presence of the teachers and staff. The parents had turned up as the audience to witness the tiny tots displaying their skills. It was a treat to watch the tiny tots speak on various topics confidently. Kids spread their wings to showcase innu-

# Stellar performance at sports meet

Kairos Global School organised 'Ardra' - the seniors' sports meet' for students of class VI to X on Tuesday. The event commenced with a grand march past of the Olympic torch relay, it was followed by the hoisting of the flag and the oath-taking ceremony by the school idea. Principal Sri Lakshmi Merapala propelled the students towards the transmittance of arts in the curriculum and the ritual of advantages it brings.

Chairman Dr. M Venkatesh Reddy declared the sports meet open by releasing balloons. The arenas were infused with order and excitement as they used themselves for the exciting exhibiting events.



After weeks of arduous training and competing for an invincible position in the finals, the students were ready to give their best. The students participated in several sports such as cricket, basketball, table tennis, chess, badminton, 100 metres and many more. The school ensured the active involvement of the parents as well. They took part in the fan-

events and cheered and showed exemplary sportsmanship. The ground bustled with vivacity and enthusiasm as everyone cheered on.

The young achievers were awarded trophies, medals and certificates by the chairman, who appreciated students for their performance. The parents,

who were as energised as their children, were also awarded trophies for their participation. The Principal drew the event to a close and lauded participants.

# Creativity to fore at academic fair

Kairos Global School organised 'Paideia', an academic fair for students from Kindergarten to class X students recently. This event, filled with utmost vivacity and exuberance was inaugurated by chairman Dr. M Venkatesh Reddy and presided by the principal Sri Lakshmi Merapala in the presence of the teachers and staff, the school said in a statement.

The students display creativity, distinctive talent and mastery in the fields of science, social studies, English, computer and mathematics. The students navigated through a multitude of topics such as world-famous writers to genres of fiction in English, DNA extraction of a banana to working of an air cooler in and creative elimination to 3D World in mathematics.

Information and communication technology witnessed phenomenal projects on drone theory, cloud computing, computer topologies etc.

Social sciences projects too mesmerized the audience with



projects on the environment and pollution.

This academic fair not only gave the students an in-depth revision and clarity for their upcoming final exams but also the much-needed credence in communication and presentation skills, the school added. Their

dedication, sincerity and aim for excellence in all aspects won everyone's heart. The event concluded with the principal's uplifting and inspirational words emphasizing the school's beliefs for a deeply enriching, well-balanced and structured curriculum for every child.



## Celebrating nation's cultural and linguistic diversity

Kairos Global School conducted Paradiso - The language festival recently with a great deal of ardour and enthusiasm. This event was held on both online and offline. On the auspicious day of 'Vasant Panchami, Kairos celebrated the beautiful intricacies of language and culture. Kairos believes that language and culture are inextricably linked and one can't learn one without knowing the other, the school said in a statement.

The event commenced with a beautiful Sanskrit Vandana (dedication) to Goddess Saraswati. After the rituals were completed, the parents were ushered to the performance venue. The programme was inaugurated by the chairman M Venkata Reddy and principal Srilakshmi Menapala. To celebrate the rich legacy of Telugu and Hindi languages, the students presented and enacted a myriad of perform-

ances resorting to communication and collaboration with theatre arts and music. These include dances to the reverberating beats of 'Kang de basanti', 'Thama Kanta Thiruvanki', skits on girl child education, child labour and other social issues, storytelling, skits and speeches.

Students also represented different cultures and religions of the country and the amazing heroes of the freedom struggle. The students showed exemplary creativity, talent and mastery in every performance and mesmerized the audience.

Principal Srilakshmi Menapala concluded the event with a note that the reverence to languages is one of the finest ways to bring students closer to their culture and heritage. The language festival will in turn expedite a growing momentum behind language learning and the importance of acknowledging the country's varied communities.



## Makar Sankranti celebrated with enthusiasm

Kairos Global School celebrated Makar Sankranti on June 7 with a lot of zeal and enthusiasm. Makar Sankranti is one of the most auspicious occasions and is celebrated in almost all parts of India with great devotion, cheer, and brilliance.

It was indeed a magnificent morning for the Kairosians as they got a chance to delve deep into the traditions and cultures associated with this beautiful festival.

The celebration commenced with a detailed history of the festival and its importance of it in the form of speeches in English, Hindi and Telugu. This was followed by spectacular dance performances by the students welcoming the advent of Makar Sankranti.

Last but not least Sankranti is all about prayers, rangolis and kites. Colourful kites filled the sky. It was a sight to treasure as the children moved around with cheerful faces and colourful kites. Rangoli was a spectacle for everyone as the students made vibrant and stylized rangoli designs bringing



out the fervor and essence of the festival.

The celebrations concluded with a note from the principal Srilakshmi Menapala making the students aware of these traditions in our lives.

Kairos hopes that this experience expands the learners' minds and they are encouraged to be respectful and appreciative of their beliefs and cultures.

