



**MILLENNIUM
EDUCATION**



Department of International
Qualifications, Curriculum
and Assessments

Winter Vacation **HOMework 2024**

**THE MILLENNIUM PRIMARY YEARS | TMPY
THE MILLENNIUM MIDDLE YEARS | TMMY
THE MILLENNIUM UPPER MIDDLE YEARS | TMUMY**

TRANSFORMING SCHOOLS INTO LEARNING COMMUNITIES

**#PrimaryTier
#LowerSecondaryTier
#SecondaryTier**



Dear Parent/Guardian,

As the winter season envelops us in its serene charm and festive spirit, all of us are eagerly anticipating the joys that the upcoming vacations hold. Winter vacations are a time for families to bond and create lasting memories. As educators, we understand the value of breaks and the rejuvenation they offer to our students. However, amidst the festivities and relaxation, it is essential to recognise the unique opportunities this season offers for academic enrichment and growth.

The winter vacation homework has been thoughtfully designed to complement the joys of the season while ensuring that students remain connected to their academic journey. The homework assignments are tailored to reinforce the concepts learned during the academic term, ensuring that students maintain their academic momentum and are well-prepared for the challenges of the upcoming term.

As we embrace the delights of winter vacations, I urge you to support your child in completing the winter vacation homework. Together, we can ensure that our students enjoy a harmonious balance of relaxation, exploration, and academic growth.

Wishing you and your family joyous winter vacations filled with love, laughter, and memorable moments.

Erum Atif

Director Teaching & Learning
The Millennium Education - TME





Grade 1

- Read page 13 to 14 of Learner's Book and underline the Action words (verbs) .
- Read page 19 to 20 of Learner's book and underline the Naming words (nouns).
- Read the poems on page 96 of Learner's Book and underline the rhyming words.
- Read Page 92 of Learner's Book and underline sound words.
- Read at least 2 pages of the given readers at home on the daily basis.
- Write five sentences in Nelson script on a daily basis describing what you did today.

Grade 2

- Read the story " Power cut" given on Learner's Book's pages 16-17.
- Draw the pictures of characters in "Power cut" and write one dialogue for each in speech bubbles.
- Write at least 6 describing words about your favourite food.
- Write a story that includes the following:
 - ➔ "You are out to search for food. Explain who you met on your way and what happened after that..."
- Watch news on TV, make a headline for any one of the news and write the related story in your own words.
- Read the poem " Words to Whisper" on Learner's Book's page 92.
- Find the rhyming words from the poem " Words to Whisper."
- Write 10 line about your favourite game and mention the rules and regulations of the game.
- Read the story 'The litter Queen' at home.
 - ➔ Act out the story with your cousins/ friends/siblings
 - ➔ Discuss the moral lesson behind that story.
- Write five sentences in Nelson script on a daily basis describing what you did today.

Grade 3

- Write a paragraph on the following topics:
 - ➔ My favourite season.
 - ➔ The best day of my life.
 - ➔ My hobby.
- Paragraph writing: Write two paragraphs on advantages and disadvantages of mobile phones.
- Write a letter to your friend telling him/her about your holidays.
- Write a letter to the author of your favourite book and tell him/her about the reasons you like his/ her book.
- Read a storybook of your choice. Underline 10 nouns, pronouns, verbs, and adjectives each in it. Make a list of each in your notebook.
- Finally write a review of the storybook you have read.
- Daily practice Nelson handwriting script, starting from unit 1 of the book on notebook.

Grade 4

- Select five powerful verbs and use them in your sentences.
- Write five sentences using quoted words and punctuate them (direct speech).
- Write a rhyming poem about your school.
- Write 5 sentences using personification in them.
- Write a letter to your favourite celebrity convincing him to send a short video in which he wishes you happy birthday.
- Write five similes about your family members.
- Change above similes into metaphors.
- Read 'Centerville Ghost' and write a book review.
- Write instructions on how to make your favourite food using words given in list (firstly, secondly, next, later, after, that, finally)
- Write a story on any of the following topics:
 - ➔ Left alone at home
 - ➔ The lottery ticket
- Daily practice Nelson handwriting script, starting from unit 1 of the book on notebook.

Grade 5

- Find the Synonyms of the following words.
 - ➔ Nibble ➔ Assist ➔ Fiercely ➔ Obligated ➔ Marvellously ➔ Evident
 - ➔ Desolated ➔ Clinch ➔ Vivid ➔ Gulp
- Rewrite the paragraph and punctuate it where necessary.

"my heart leaps up when I behold a rainbow in the sky wrote william words worth the famous poet and the most of us share his feelings when we are lucky enough to see a rainbow there is an old saying that a pot of gold is buried at the end of the rainbow but have you ever tried to reach a rainbows end of course it's impossible because a rainbow is really just the result of the raindrops refracting and reflecting light from our sun there are seven colors in the rainbow red orange yellow green blue indigo and violet"

- Write a story in which your main character faced a hilarious situation.
- Write a diary entry, explaining how you felt when you participated in a sports event.
- Write a paragraph of 150 words, using at least five idioms.
- Write a letter to the editor of a newspaper apprising about the lack of cleanliness in your area. Give five suggestions.



Grade 6

- Re-read 'Valley of Fear' and describe one moment, in the play script, when you empathised with the main character.
- Vocabulary lists:
- Make a presentation as per the given guidelines.

'Pakistan is a land of beauty'. Support this statement by describing, at least, 5 beautiful places which are a source of tourist attraction e.g. Malam Jabba, Shangrilla, Skardu, Shandoor, etc. You can Google your research by studying, the most beautiful places of Pakistan. Your description must include the following:

- ➔ geographical location
- ➔ main characteristics of the land
- ➔ brief description of the local people
- Watch the movies stated below and do the assignment stated with each:
 - ➔ **Small Foot**
Imagine that you are a baby Yeti, and you have heard about the human beings for the first time in



Grade 6

- your life. Express your feelings and state your views about this strange creature, man, as described in the movie.

Spirit

After enjoying this beautiful movie, jot down all the characteristics that are common in the horse and the hero e.g. courage, determination, etc.



Note: All the homework assignments are to be done in the composition copies.

Grade 7

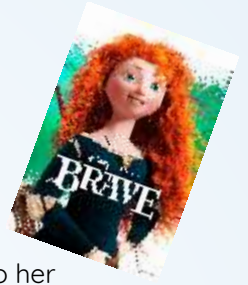
- Based on what you read in 'Julius Ceasar', write a review of the play script in 200 words.
- Vocabulary lists:
 - January week 2, 3 and 4
- Write a magazine article on healthy habits for teenagers.
- Write a one-day diary entry, every week of your vacations.
- Watch the following movies and do the assignment related to each movie.

→ Brave

This movie is about a young girl who bravely fights against all odds to bring her mother to her normal self. Express your views on the mother-daughter relationship.

→ Jurassic World (2015)

Set 22 years after the events of Jurassic Park, Jurassic World takes place on the same fictional island of Isla Nublar, a successful theme park of cloned dinosaurs, The park plunges into chaos when a transgenic dinosaur escapes from its enclosure and goes on a rampage. Write a review of the movie with focus on the elements that help in creating suspense and tension. Write your opinion on the ending of the movie as well.



Note: All the assignments are to be done in the composition copies.

Grade 8

- Write a one-day diary entry, every week of your vacations.
- Read the play 'Macbeth' and write a detailed account of how Macbeth's ambition led to his destruction. Your analysis must include:

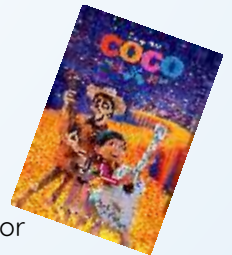
- Macbeth as a person when first introduced in the play
- Influence of the witches and Lady Macbeth
- the transformation of his personality as he continues committing crimes
- his reaction to his wife's death and his own end

→ Coco

After watching the movie, Coco, how can you say that the love of family is very important for people, even after death?

→ The Blind Side

Michael, a homeless African American boy is adopted by a family. Write a review of the movie with focus on themes of family, determination, and loyalty.



Note: All the assignments are to be done in the composition copies.



Grade 1

- Write the number spellings from 21-50.
- Solve the following addition questions.

$17 + 5 =$	<input type="text"/>
------------	----------------------

$23 + 8 =$	<input type="text"/>
------------	----------------------

$55 + 7 =$	<input type="text"/>
------------	----------------------

$49 + 5 =$	<input type="text"/>
------------	----------------------

$36 + 9 =$	<input type="text"/>
------------	----------------------

$48 + 6 =$	<input type="text"/>
------------	----------------------

- Solve the following subtraction questions.

$10 - 6 =$	<input type="text"/>
------------	----------------------

$14 - 7 =$	<input type="text"/>
------------	----------------------

$25 - 18 =$	<input type="text"/>
-------------	----------------------

$24 - 6 =$	<input type="text"/>
------------	----------------------

$16 - 5 =$	<input type="text"/>
------------	----------------------

$22 - 9 =$	<input type="text"/>
------------	----------------------

- Write 10 more and 10 less of the following numbers.

<input type="text"/>	<	26	>	<input type="text"/>
----------------------	---	----	---	----------------------

<input type="text"/>	<	43	>	<input type="text"/>
----------------------	---	----	---	----------------------

<input type="text"/>	<	59	>	<input type="text"/>
----------------------	---	----	---	----------------------

- Draw and name any four 2D shapes and four 3D shapes. Look around your house and write the names of the 2D shapes and 3D shapes. Also, draw any three things.
- Learn and write the tables of 2, 5 and 10.
- E - links

Practicing Math via following websites will help learners stay in touch with the basic concepts done during the first term.

- www.education.com/games/math/first-grade/
- www.math-play.com/1st-grade-math-games.html
- www.turtlediary.com/grade-1-games/math-games.html

Grade 2

- Write tables from 2 to 6.
- Practice of addition and subtraction.
 - Add and subtract sums 2-digit numbers with the multiples of tens. (10 questions)
 - Add and subtract 2- digit numbers to/from a single digit number. (10 questions)
 - Add and subtract 2 -digit numbers to/from 2-digit numbers. (10 questions)
- Addition and Subtraction

Learners will be asked to go to any near by shop or shopping mall. They must be given Rs. 100 and shall be asked to purchase things like lays and chocolate. Later they will create their own story out of it. How much total money they had? What they purchased and how much money was left?

- Make models of 3-D shapes (cube, cuboid, cone, cylinder)
- E- links
 concepts done during the first term will be practiced using the below mentioned links.
 - <http://www.turtlediary.com>
 - <http://www.mathblaster.com/>
 - <http://www.math-play.com/2nd-grade-math-games.html>

Grade 3

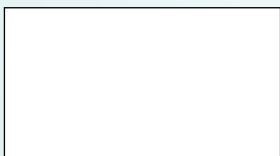
- Revise all the concepts done in class.
- Write tables from 2 to 12.
- Practice of addition and subtraction.
- Add and subtract sums 3-digit numbers with the multiples of 10 and 100. (10 questions) with borrowing and carrying.
- Add and subtract 3 -digit numbers to/from 2-digit numbers. (10 questions) with borrowing and carrying.
- Make models of 3-D shapes (cube, cuboid, cone, cylinder, pyramid)
- Practice multiplying 2 and 3 digit numbers by a single digit number. (10 questions) with carrying.
- Practice divide 2 and 3 digit numbers by a single digit number.(10 questions) R.A should be done neatly on a rough register)
- E - links
 concepts done during the first term will be practiced using the below mentioned links.
 - <http://www.turtlediary.com>
 - <http://www.mathblaster.com/>
 - <http://www.math-play.com/2nd-grade-math-games.html>

Grade 4

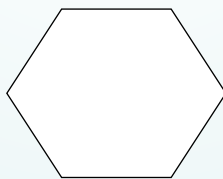
Do the following questions on R.A notebook.

- Name the following shapes and write down any 3 properties of each.

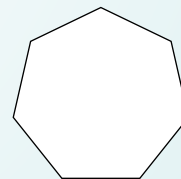
a)



b)



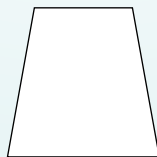
c)



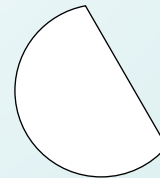
d)



e)



f)

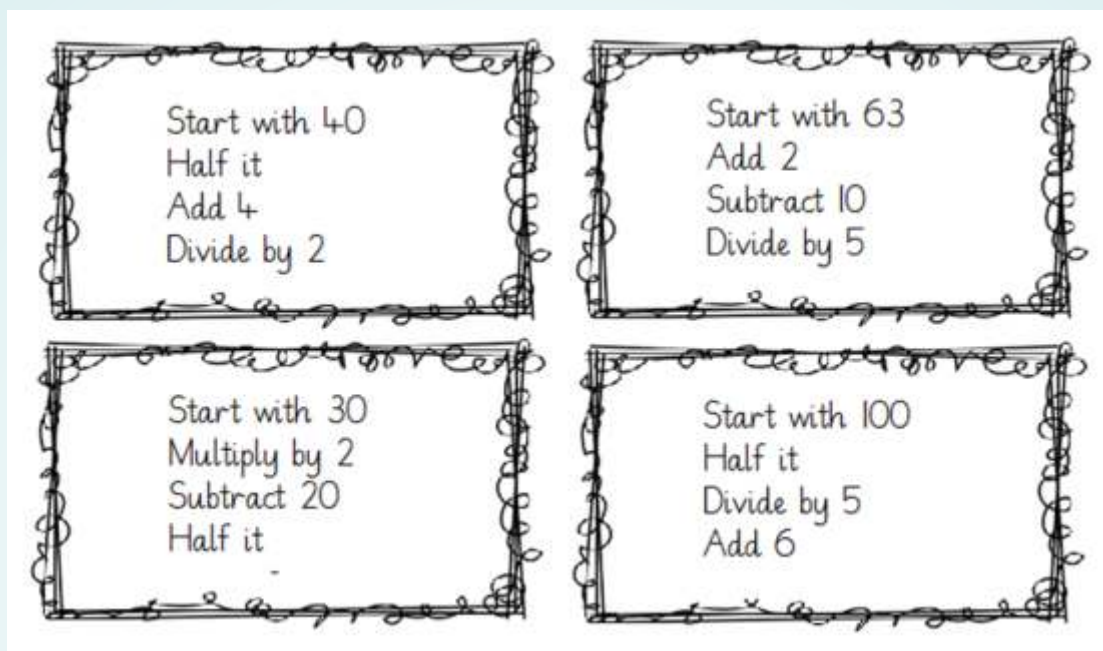


- Solve.

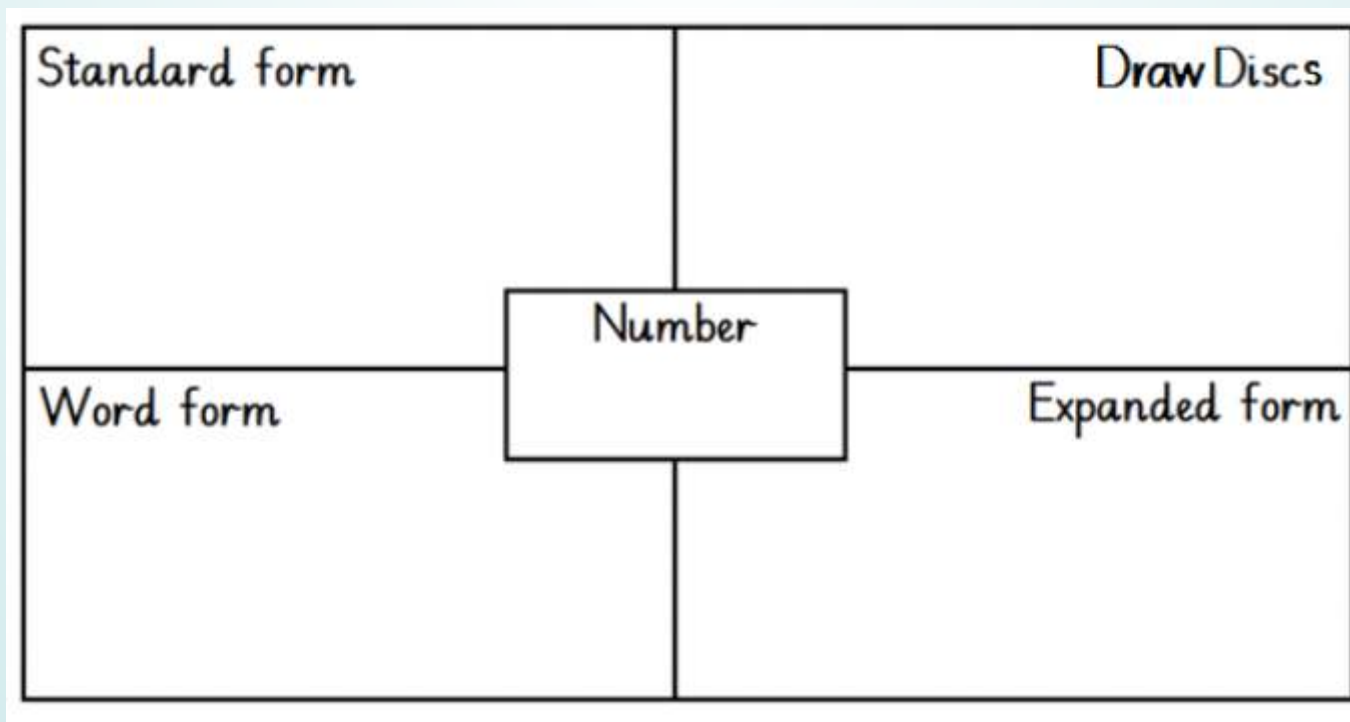
01.	$65 + 6 + 56 =$ _____	06.	$77 + 19 + 2 =$ _____
02.	$39 + 5 + 9 =$ _____	07.	$89 + 29 + 9 =$ _____
03.	$90 + 78 + 11 =$ _____	08.	$13 + 34 + 98 =$ _____
04.	$8 + 18 + 57 =$ _____	09.	$51 + 17 + 18 =$ _____
05.	$23 + 36 + 11 =$ _____	10.	$63 + 52 + 14 =$ _____

- Write down tables of (2 - 12).
- Solve.

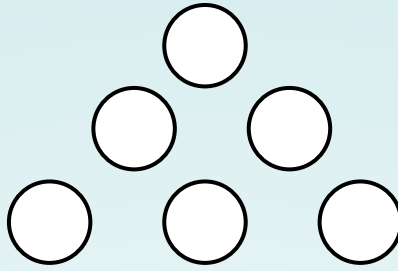
01.	$90 \times 5 =$ _____	06.	$70 \times 7 =$ _____
02.	$40 \times 9 =$ _____	07.	$4 \times 80 =$ _____
03.	$6 \times 30 =$ _____	08.	$80 \times 2 =$ _____
04.	$80 \times 6 =$ _____	09.	$2 \times 300 =$ _____
05.	$70 \times 2 =$ _____	10.	$600 \times 8 =$ _____



- Write a number in thousand and write it in expanded form, standard form and Word form.



- Using each of 1, 2, 3, 4, 5, and 6 once and only once, fill in the circles so that the sums of the numbers on each side of the three sides of the triangle are equal.



- Fill the grid by applying given mathematical operations.

78	÷	39	=	
×		÷		×
37	×	13	=	
=		=		=
	÷		=	

- Project:
 - Make a 2D or 3D model of cube, cuboid and cylinder using chart paper.

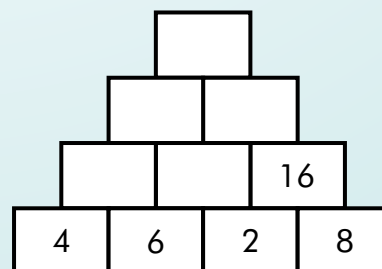
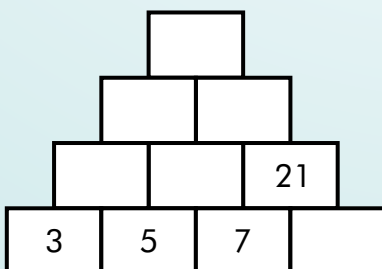
Grade 5

- Identify all the Prime Number by applying Divisibility Rules.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

- Find the common multiples of 4, 5 and 6.

- Solve the multiplication pyramid.



- Fill the grid by applying given mathematical operations.

58	×	13	=	
×		×		÷
13	×	29	=	
=		=		=
	÷		=	

- Use a factor tree to find the prime factorization.
 - a) 20
 - b) 54
 - c) 72
 - d) 100
 - e) 70
 - f) 24
- Find HCF and LCM of the following
 - 45, 75
 - 30, 100
 - 150, 225
 - 36, 54
 - 30, 36
 - 50, 56
 - 105, 75
- Make a power point presentation on topic of Fractions and give all the details about fractions and their addition and subtraction.

Note : Please practice all the above topics on the given games links as well.

→ <https://www.mathgames.com/skill/5.14-convert-numbers-with-hundreds-thousands-millions>

Grade 6

- Practice the following.
 - I. Chapter 5 - Angles and Constructions
 - II. Chapter 7 - Fractions
- Use this link to practice the concepts
 - www.ixl.com
 - www.mathgames.com

Grade 7

- Practice the following.
 - I. Chapter 7 - Fractions
 - II. Chapter 8 - Shapes and Symmetry
 - III. Chapter 10 - Percentages
- Use this link to practice the concepts
 - www.ixl.com
 - www.mathgames.com

Grade 8

- Practice the following.
 - I. Chapter 5 - Angles
 - II. Chapter 9 - Sequence and Functions
 - III. Chapter 11 - Ratios and Proportion
- Use this link to practice the concepts
 - www.ixl.com
 - www.mathgames.com
- Practice the past papers





Grade 1

- Make a list of the clothes in your cupboard. Write the name of the season in front of each item.
- Draw an outline of yourself and label all of the body parts and their functions.
- Find out what the following animals and birds eat.
→ Bear, Crow, Squirrel, Sparrow, Mouse
- Collect two pictures of animals that live on land, in water and fly in the air. Paste them in your notebook.
- Draw a fruit basket. Draw and colour the fruits that you like to fill the basket.
- Collect leaves of different plants. Paste them in your notebook. List size and colour under each leaf.
- Collect two pictures of living and non-living things from old newspapers and magazines and paste them in your notebook.
- Visit a park. Write what you like about it. What would you change?
- Draw a picture that helps to keep the world clean.
- Write 5 sentences about traffic rules.

Grade 2

- Explain why does a mattress have springs inside? What happens to a spring if you push it?
- Find out what happens when you stretch elastic bands by different amounts?
- Collect different types of rocks. Explain their texture and name the minerals present in them.
- Collect different materials and write their properties.
- Take two magnets and predict when they attract or repel.
- Find the difference between transparent opaque and translucent objects
- Find materials around you which make shadows and write their names in your notebook.
- Make a 3D chart of a village of Pakistan.
- Write 10 lines about Abdul Sattar Edhi.

Grade 3

- Draw a skeleton on a chart paper and label all the bones that you have discussed in the class.
- Make list of 10 vertebrates and invertebrates. You may take help from any book or internet.
- Draw and write about any 3 habitats on a chart paper.
- Draw a food chain on A4 page. Name the producer consumer prey and predator.
- Separate the mixture of sand and marbles by using a sieve.
- Write 5 names of thermal insulators and thermal conductors.
- Use any recyclable stuff from your home and convert it into a useful thing. (For example a tin can be converted into a pencil holder)
- Make a list of ten goods and ten services.
- Write down the do's and don'ts of a classroom and also write five ways in which you can show kindness to others.



Grade 4

- Look at the plants growing around and see if you can spot any fallen seeds. Now, with the help of your parents learn to grow a plant from any seed you pick. Have fun watching the seed grow into a seedling. What you need: Seeds of your choice such as pumpkins seeds, sunflower seeds, beans, etc. Good quality soil, a container to hold the soil and seeds. Water, sunlight. Then draw life cycle of plant on a chart paper and label it.
- Search on internet and make a powerpoint presentation on;
 - Earth, Sun and Moon
 - Different phases of moon.
 - Also write the vocabulary words in your notebooks about these topics.
- Draw a food Pyramid and colour it on a chart paper and describe every food group in detail.

Grade 5

- Build a plane.
Use the link
<https://www.steamsational.com/clothespin-airplane-engineering-challenge/>
to learn how to do it.
- Soil erosion Experiment
Use the link
<https://www.lifeisagarden.co.za/soil-erosion-experiment/> to learn how to do it.
- Write the things used, steps followed and learning points of the above activities.
- Collect different types of soil samples and identify them as to which type it belongs. Which soil do you think will be best for an earth worm? Why do you think so?
- Explore the internet and compose power point presentations comprising of 8-10 slides for the mentioned topic. Make sure you will use your own words while producing the same information. "Ecosystems and Habitat"
- Carrot is one of the different types of roots. Grow a carrot and save pictorial evidence of every step of the process. Also note down the importance of roots in your notebooks.
- Make a search on the internet on the given topics.
 - i) Reversible and irreversible changes
 - ii) Balanced and unbalanced forces
 - iii) Light and shadows.
- And note down the scientific vocabulary, important points, examples and important learning points on your notebooks.

Look at the picture. It shows a number of unhygienic ways in which germs can travel into food and cause illness. List all of the ways this could happen in the picture.



SCIENCE INVESTIGATION

- Take extra care - ask an adult to supervise you.
- Design and conduct an experiment to see what type of bread grows mold the best. Obtain different samples of bread. Make sure to wash your hands before and after each time you experiment. Explain why mold grows better on some bread than on others.


THE GOOD MICROBES

Background knowledge

- Microbes, or microorganisms, are living things that are often too small to be seen. Common types of microbes are bacteria, viruses, and some fungi. These organisms need food, warmth, and moisture to grow and reproduce. Some microbes feed on things that were once living, such as fallen leaves and dead animals, causing them to breakdown or decay. The decayed materials mix with soil, providing essential nutrients for plants to use. Without this process, the nutrients in the soil would run out. These types of organisms are called decomposers. They are the natural recyclers of living things on our planet.
- Microbes also help us make some of our foods, such as bread, cheese, yogurt, beer, and wine. They feed on the sugar in grain, fruit, or milk, giving these foods a special texture and taste.

Science ACTIVITY
 Donna put the following items into a large polythene bag. She took them out again after two weeks. In the boxes below, write D for the items that would have decayed and U for those that would be unchanged.

<input type="checkbox"/> Grass	<input type="checkbox"/> Tangerine
<input type="checkbox"/> Plastic spoon	<input type="checkbox"/> Bread
<input type="checkbox"/> Apple peel	<input type="checkbox"/> Leaves
<input type="checkbox"/> Cola can	<input type="checkbox"/> Nylon tights



Why have some of the items not decayed?

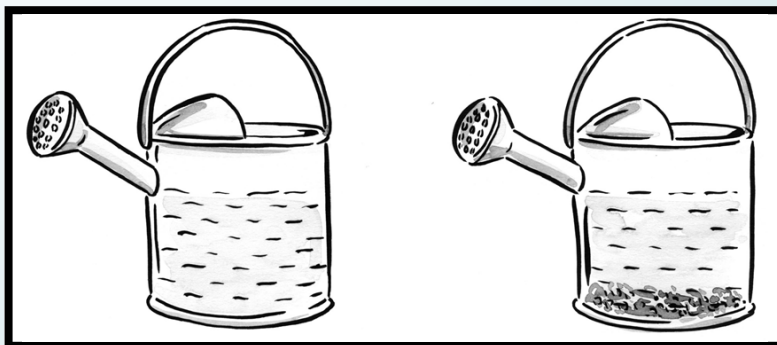
SCIENCE INVESTIGATION

- Take a large coffee can and obtain some soil, food samples, and non-food items. Bury the food and non-food items in different layers of soil placed in the coffee can. Add about 1/4 cup of water. Place a cover with punched holes on top of the can so air can get in. After 2-3 months, determine what has decayed.

DISSOLVING

Background knowledge

- Substances that can be dissolved in a liquid are said to be soluble. Substances that do not dissolve are insoluble. The liquid in which a substance dissolves is called the solvent. The substance that dissolves is called the solute. When mixed together, they make a solution. Water is an excellent solvent. It dissolves many substances. Sugar and salt are very soluble in water, while substances such as sand and chalk are insoluble.



Science Activity

- Rosa collected two different plant fertilizers from a garden center. The directions said to mix each fertilizer with water and to sprinkle the solution on her plants. When she mixed the first fertilizer in the water, it seemed to disappear. However, when she mixed the second fertilizer, she noticed it sank to the bottom of the watering can
- Which fertilizer should Rosa use for her plants? Explain..

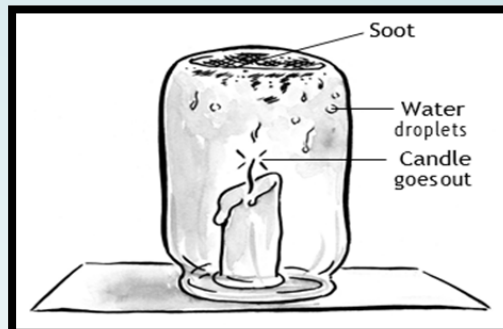
Science Activity

- When Juan gets out of the shower, he notices that the mirror is all “steamed up.” He also notices that when he drinks iced tea, there is moisture on the outside of the glass. Explain Juan’s observations.

ABURNING MATTER

Background knowledge

- Oxygen from the air is needed for something to burn. Burning is an irreversible process that forms new substances. Some of these substances are solids, such as ash or soot, and some are gases, such as water vapor and carbon dioxide. When paper burns, it produces soot (mostly carbon), water vapor, carbon dioxide, a small amount of other gases, and ash (minerals that do not burn).
- Look at the drawing. It shows a candle burning inside an upturned jam jar.
- What is produced when a candle burns? What is a possible explanation as to why the candle went out?



SCIENCE INVESTIGATION

Take extra care ask an adult to supervise you.

- Light a candle right and place a jar over it. Time how long it takes for the candle to go out. When the flame goes out, let the jar cool down a bit. Carefully lift the jar, keeping the open end facing downward and placing it quickly on a table. Relight the candle. Place the jar over the candle. does the candle burn now? if so, time how long it burns explain your observations.



Grade 6

- Activity 1: Make 3D model of “Structure of Earth”
- Activity 2: Make a chart on Topic
“Acids and Alkalis”

Give example of acids and alkalis which you use in daily life along with their pictures.

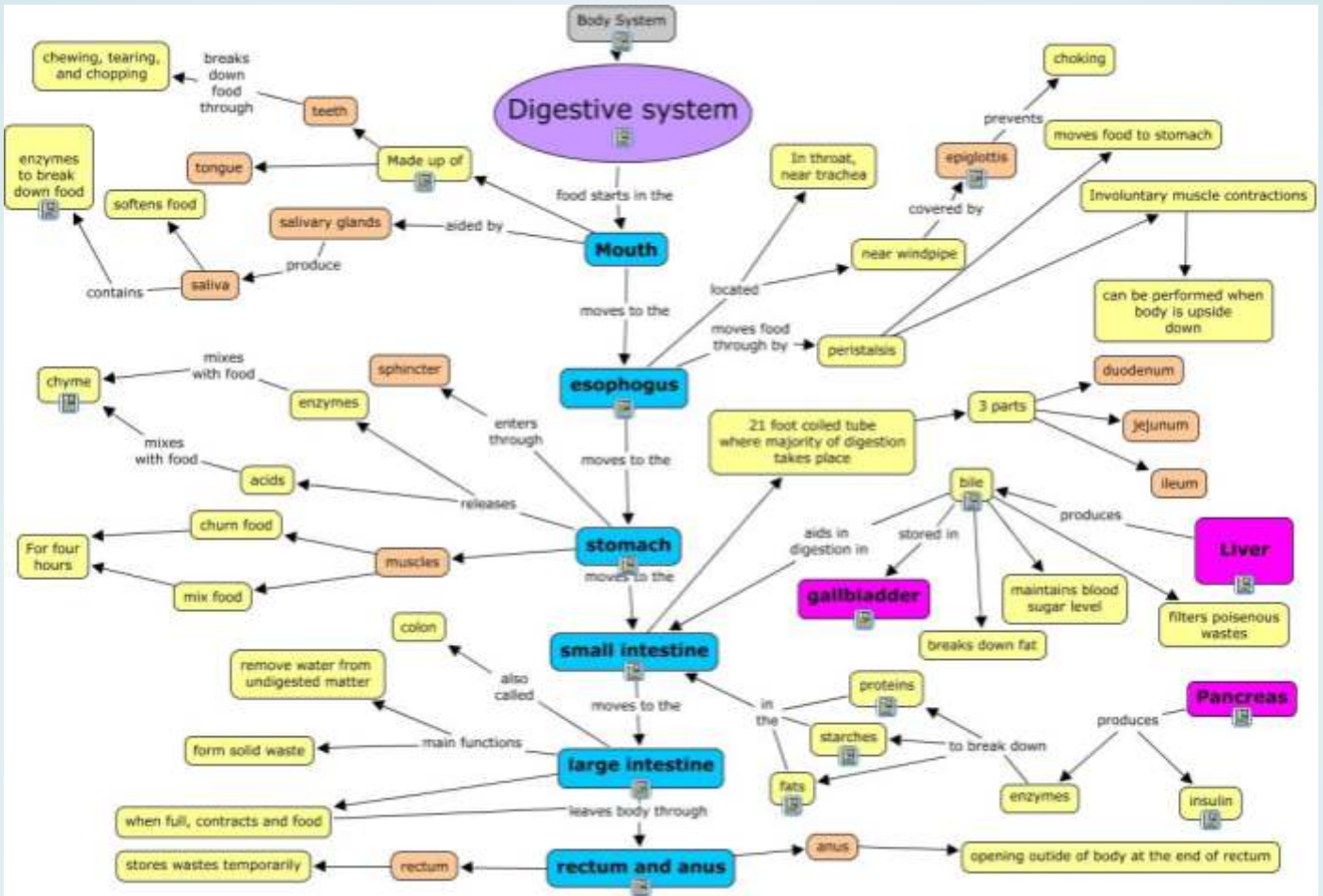
- Activity no 3:
Make a project on Erupting Volcano For this you can use following materials.
 - 1) empty bottle
 - 2) Newspapers
 - 3) paints
 - 4) baking soda
 - 5) vinegar
- Do make a video and share it with your teacher

Read chapter 04, 08 and 11 from course book 7 underline/highlight all the bold/ difficult terms given in chapter



Grade 7

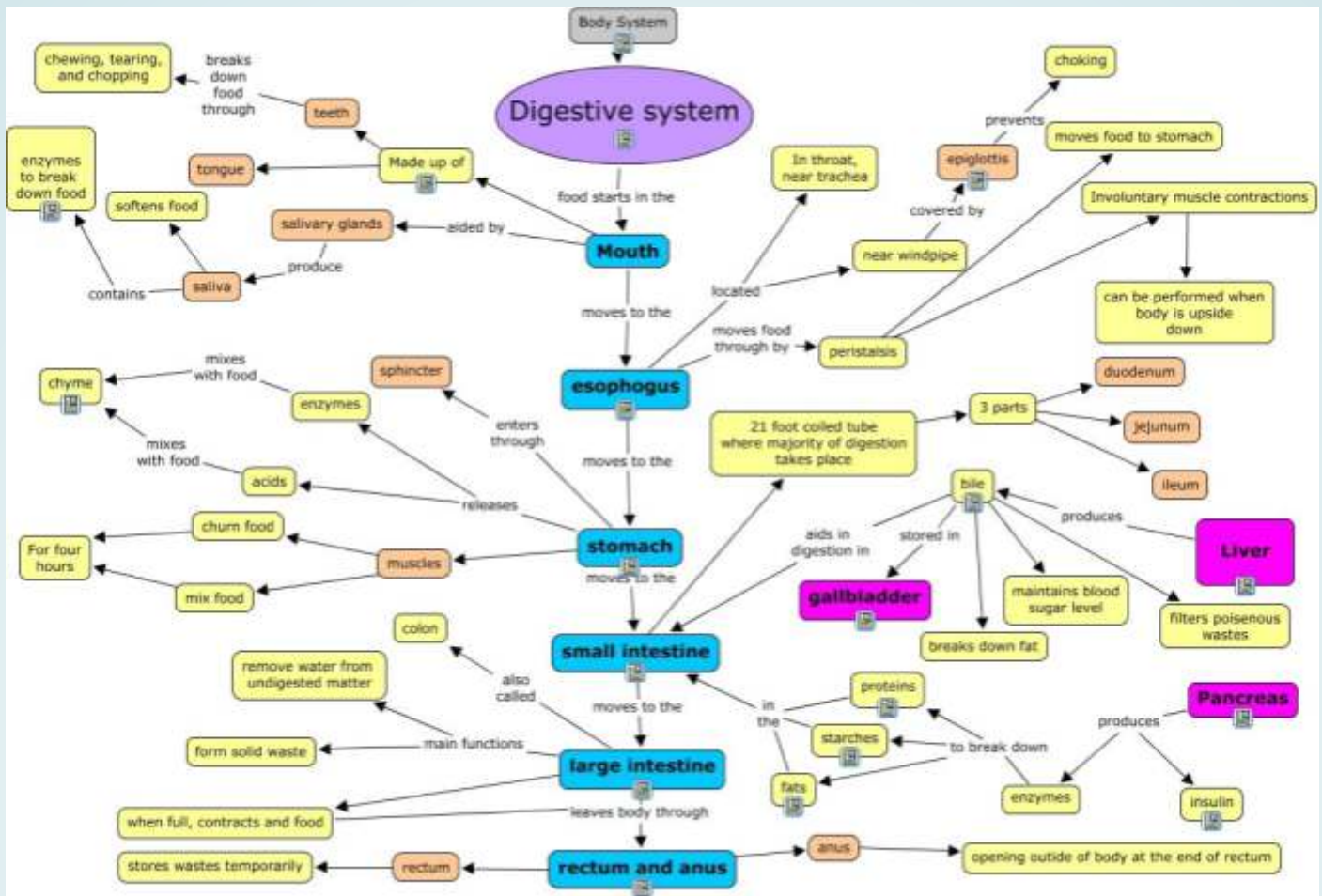
- Prepare presentation on the following topics
 - a. The particle theory
 - b. Elements and atoms
- A mind map is a graphical way to represent ideas and concepts. It is a visual thinking tool that helps structuring information, helping you to better analyse, comprehend, synthesize, recall and generate new ideas. For example, the mind map of digestive system is shown as under.



- Create mind maps of the given topics, linking 7-10 relevant ideas, employing the following site. <https://www.mindmeister.com/>
 - a. Photosynthesis
 - b. The circulatory system
 - c. Elements, atoms and compounds
- Produce 3-D models depicting the mentioned concepts.
 - a. Chemistry in everyday life
 - b. Rainbow formation
- Explore online and compose power point presentations comprising of 8-10 slides for each of the mentioned topics. Strict plagiarism check would be made to ensure the use of your own words while producing the same information.
 - ➔ Nutrition, digestion and excretion
 - ➔ Respiration and gaseous exchange
 - ➔ Ecosystem and Habitats

Grade 8

- Prepare presentation on
 - a. Classification and variation
 - b. Endothermic and exothermic reactions
- A mind map is a graphical way to represent ideas and concepts. It is a visual thinking tool that helps structuring information, helping you to better analyse, comprehend, synthesize, recall and generate new ideas. For example, the mind map of digestive system is shown as under.



- Create mind maps of the given topics, linking 7-10 relevant ideas, employing the site. <https://www.mindmeister.com/>
 - a. Photosynthesis
 - b. Reproduction in flowering plants
 - c. Adapting to a habitat
- Produce 3-D models depicting the mentioned concepts.
 - ➔ Pressure
 - ➔ Density
- Practice the following past papers from the past paper booklet. 2018,2019,2020 (Relevant questions only)
- Search online and compose Powerpoint presentations comprising of 8-10 slides for each of the mentioned topics. Strict plagiarism check would be made so make sure to use your own words while producing the same information.
 - ➔ Ecosystems
 - ➔ Inheritance and genetics
 - ➔ Atoms, elements and the periodic table



INFORMATION COMMUNICATION TECHNOLOGY



Grade 1

Activity 1

Pet Care Diary

Ms. Shahbana wants to make a Pet Care Diary to guide the learners on how to take care of pet animals. How might you help Ms. Shahbana create a Pet Care Diary?

Instructions:

Part 1: Design a Pet Care Diary using Microsoft PowerPoint

- ▶ Design a Pet Care Diary in the form of a presentation for Ms. Shahbana so she can share it with kids. Look at the following example:

Part 2: Create Your Presentation

- ▶ Open PowerPoint (start with a blank presentation template).
- ▶ Make four slides:
 - a) Slide 1: Write your name (in Capital Letters!) and the name of pet you are making presentation about (a bit smaller) than your name.
 - b) Slide 2, Slide 3, and Slide 4: For each slide, make a title using WordArt, insert one or two pictures, and write a short sentence to tell us about it how to care a pet. You can write about how to care about their place, foods, health, or anything interesting about it!
- ▶ If you mention something special like a unique behaviour or a cool fact about your animal, you can add a hyperlink to another slide to show a picture or tell more about it.

Part 3: Showcase the Presentation.

- ▶ Save your presentation on the computer and share it with your parents and family members to get their feedback.

Activity 2

Make a calculator using Scratch that calculate the sum and difference of two numbers.

Instructions:

- ▶ Download Scratch offline Editor at the following link <https://scratch.mit.edu/download>
- ▶ Choose windows OS, download and install on your computer.



Choose your OS:

Windows

macOS

ChromeOS

Android

- ▶ Now write a program, as user click on the cat and it say “Hello! Enter two numbers, and see the sum and difference of these numbers” and wait for 5 second.
- ▶ Then ask user to enter first number and wait. When user enter the number save it in number1 variable
- ▶ Again, ask user to enter second number and wait. When user enter the second number save it in number2 variable.
- ▶ Then show the sum and difference of these numbers.

The Scratch program to calculate the sum and difference of two numbers is give below:

```
when clicked
say Hello! Enter two numbers, and see the sum and difference of these numbers for 5 seconds
ask Enter first number and wait
set number1 to answer
ask Enter second number and wait
set number2 to answer
wait 3 seconds
say Addition is for 5 seconds
say number1 + number2
wait 5 seconds
say Difference is for 5 seconds
say number1 - number2
```



Grade 2

Activity 1

Create your Home using Paint 3D application. You can use basic 2D and 3D shapes available in Paint 3D software to represent home buildings or rooms and then label them.

Instructions:

- ▶ Open 3D Paint app. It is available in your computer's Windows app list.
- ▶ Click on the **New** button on the welcome screen.
- ▶ Change the canvas size. Click on three dotted signs (...), then click on **Canvas option** (or directly click on Canvas icon shown in the main menu). As you click on it, the rectangle around canvas will be shown. Hover your mouse pointer on tiny square and adjust the height and width accordingly as shown in Figure 1.
- ▶ After adjusting the canvas size, click on 2D shapes available on top menu. On the right side, 2D shapes will appear as shown in Figure 2. Now drag and drop these shapes to create your home.
- ▶ When you insert any shape on canvas, on the right side of the canvas, shape related setting will appear. You can fill, change thickness, color, opacity, rotation, and flip.
- ▶ You can decorate your home with 3D shapes. Click on the 3D library to access different 3D shapes as shown below

Figure 1

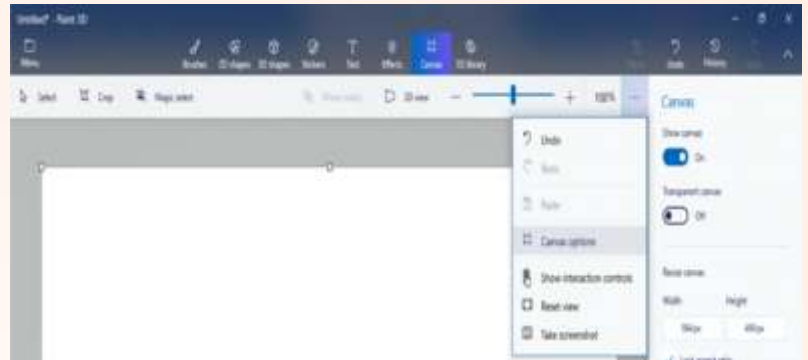
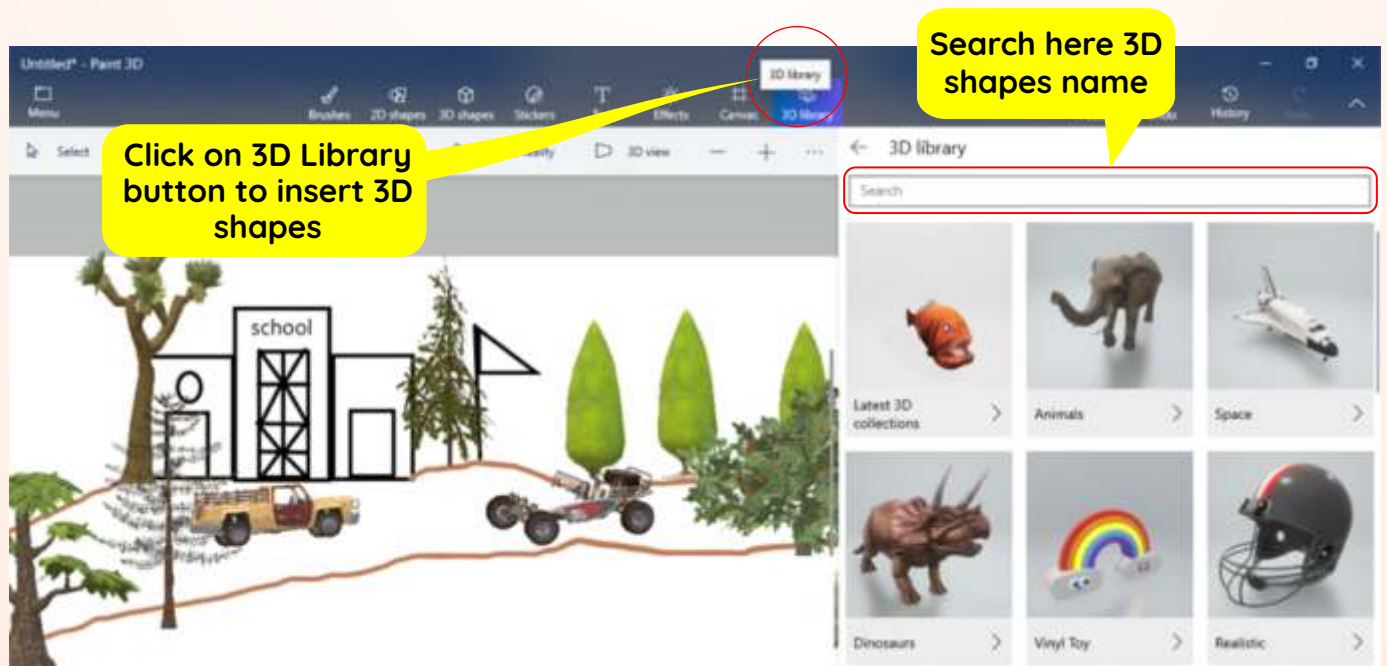


Figure 2

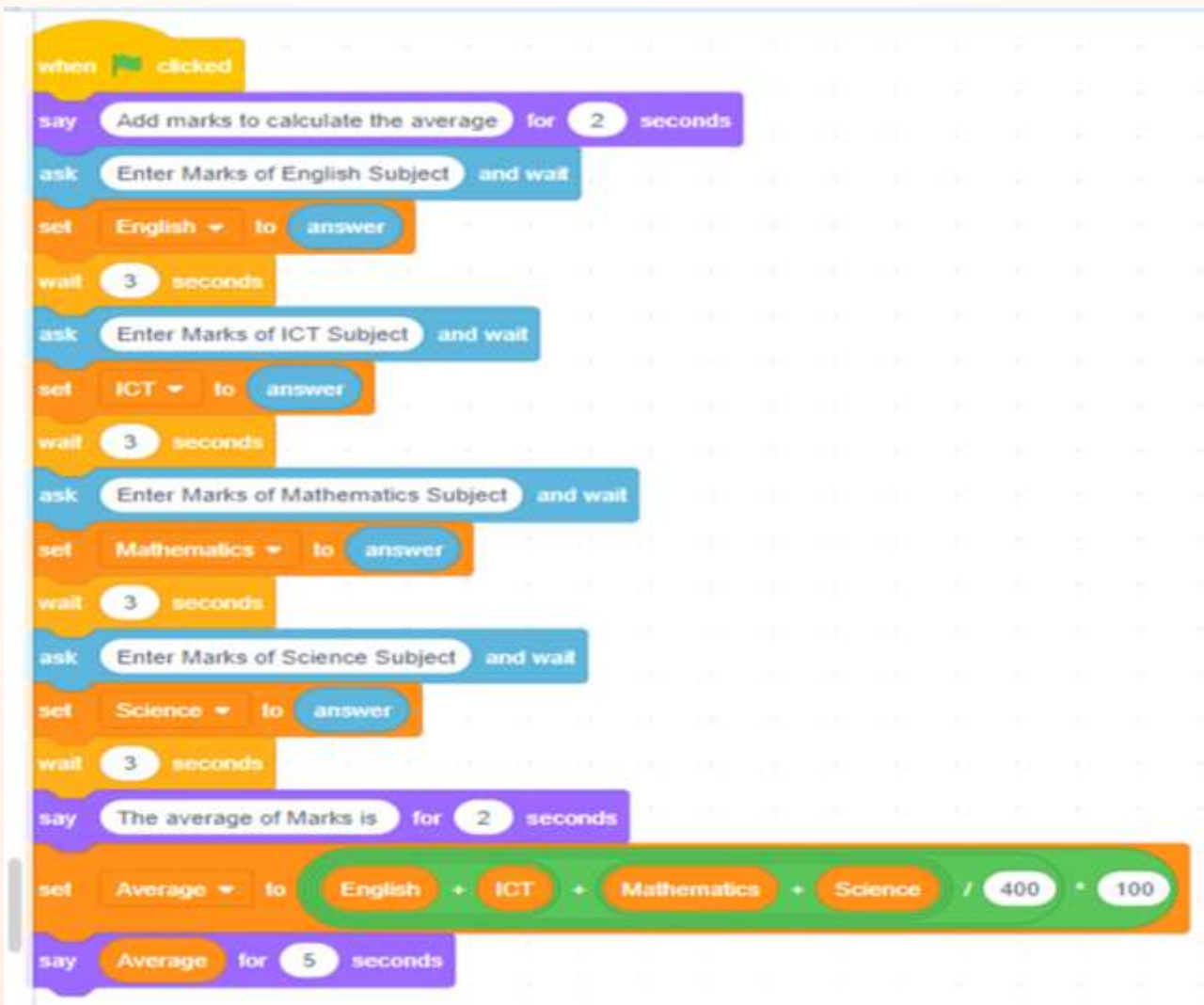
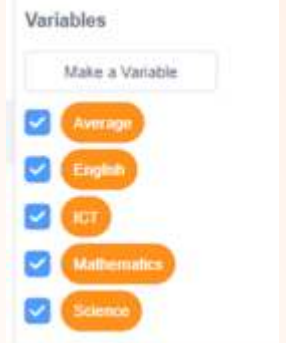
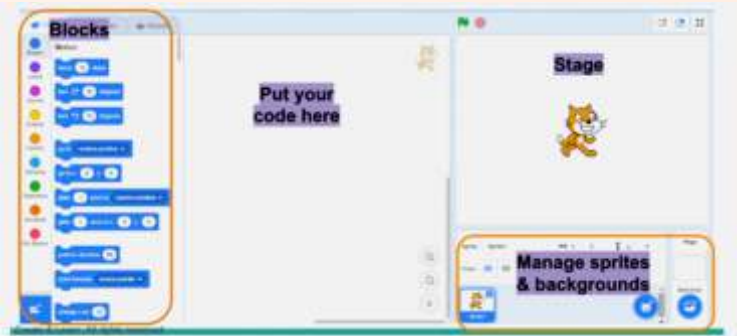


Activity 2

Ali is studying in Grade 2. His favorite subjects are English, Mathematics, Science, and ICT. Ali obtained 86 marks in English, 92 marks in mathematics, 84 marks in science and 96 marks in ICT in the annual exam result. Write a program using Scratch offline editor to calculate the average marks that Ali has obtained.

Instructions:

- ▶ Download the Scratch offline editor at the following link and install it on your computer: <https://scratch.mit.edu/download>
- ▶ The Scratch offline editor interface is as given below:
- ▶ You need to write the code in the code area while dragging and dropping the required blocks in the coding area (script area).
- ▶ Create the required variables for storing marks of each subject, and average as shown in the following figure.
- ▶ The scratch code is given below.



Grade 3

Activity: Digital Discovery Adventure 2024

Objective: To explore ICT through Microsoft PowerPoint or Sway by creating an interactive presentation.

Day 1: Introduction to ICT and Microsoft Tools

- ▶ Learn about ICT (Information and Communication Technology) with your parents or guardians. Discuss how ICT tools make our lives easier.
- ▶ Introduce Microsoft PowerPoint or Sway as a tool for creating digital presentations. Watch a short tutorial on how to use it with parents or family member guidance.

Day 2-3: Choosing a Topic

- ▶ Pick a topic for your presentation that excites you. Here are some ideas:
 - ✎ My Favorite Technology Gadget
 - ✎ How Computers Help in Daily Life
 - ✎ The Importance of ICT in Education
- ▶ Use PowerPoint or Sway to create the title slide with your name and the topic.

Day 4-7: Researching Your Topic

- ▶ Search for information with the help of parents or family member using safe websites or books.
- ▶ Find and save pictures, facts, or ideas related to your topic.
- ▶ Start adding content to your presentation:
 - ✎ Create a slide about what your topic is.
 - ✎ Add another slide explaining why it's important.
 - ✎ Include a slide with fun or surprising facts.

Day 8-10: Adding Creativity

- ▶ Learn how to use features in PowerPoint or Sway, like adding pictures, animations, or transitions.
- ▶ Make your presentation colorful and fun by:
 - ✎ Changing background designs.
 - ✎ Adding stickers or icons.
 - ✎ Using creative fonts and colors.

Day 11-13: Finalizing and Practicing Your Presentation

- ▶ Review your presentation with parents or family members. Check for spelling mistakes and ensure all slides make sense.
- ▶ Practice presenting your slides aloud. Focus on speaking clearly and confidently.

Day 14-16: Presenting to Your Family

- ▶ Share your presentation with your family using a computer or tablet.
- ▶ Ask them for feedback or questions about your topic.

Day 17-18: Adding Reflection

Add a final slide to your presentation titled "What I Learned." Write about:

- ✎ What you enjoyed most about the activity.
- ✎ How this activity helped you understand ICT tools better.

Day 19-21: Submit Your Work

- ▶ Save your presentation and make sure it's ready to share with your teacher after the winter break.
- ▶ Reflect on how using PowerPoint or Sway made learning fun and creative!

Grade 4

Activity: Becoming 21st Century Learners: Exploring Skills for the Future

Objective:

The objective of this summer homework activity is to introduce Grade 4 learners to important 21st century learning skills. Through research and creative expression, learners will gain an understanding of these skills and their relevance in today's world.

Activity Overview:

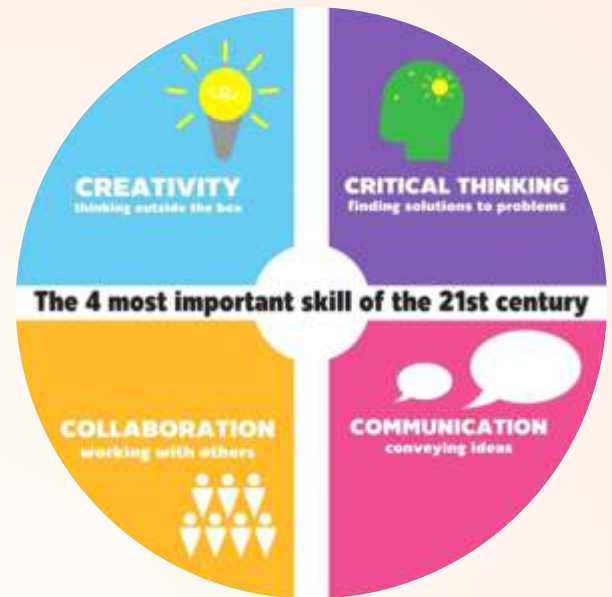
Day 1: Research

- ▶ Spend time conducting online research to learn about 21st century learning skills.

- ▶ Explore skills such as critical thinking, collaboration, creativity, communication, and digital literacy. A list of “21st century skills” or “future-ready skills” is given below:
- ▶ The 21st century skills, also known as “future-ready” or “essential” skills, refer to a set of abilities that are considered important for success in the modern world. These skills are seen as crucial for individuals to thrive in the dynamic, technology-driven, and interconnected 21st century. Here are some commonly recognized 21st century skills:

- Critical thinking and problem-solving
- Creativity and innovation
- Collaboration and teamwork
- Communication and media literacy
- Information literacy
- Digital literacy and ICT skills
- Global and cultural awareness
- Adaptability and flexibility
- Initiative and entrepreneurship
- Leadership and social influence
- Emotional intelligence
- Resilience and stress management

- ▶ Take notes or create a mind map to organize your findings. Write down key points or interesting facts about each skill.



Day 2-5: Skill Exploration

- ▶ Choose any three 21st century learning skills that interest you the most (among the above given list). Think about why they are important and how they can be applied in everyday life.

Day 6: Brainstorming and Planning

- ▶ Use a digital tool like Canva.com or Paint to create a blank canvas for your poster design.
- ▶ Brainstorm ideas for your poster layout and design. Think about how you can visually represent the chosen skill(s).
- ▶ Consider the color scheme, fonts, and images that will best convey the message.

Days 7-10: Poster Design

- ▶ Start designing your poster using the chosen digital tool. Use the provided templates or create your own design from scratch.
- ▶ Incorporate visual elements, such as icons, illustrations, or shapes, that represent the chosen skill(s).
- ▶ Use text to highlight key phrases or quotes related to the skill(s) and their importance.

Day 11: Presentation Preparation

- ▶ Prepare a short presentation about the skill(s) you chose and your poster design.

Days 12-15: Presentation and Sharing

- ▶ Present your poster and deliver your prepared speech to your family or friends.

Days 16-19: Reflection

- ▶ Reflect on your experience throughout this activity.

Days 20-21: Submission and Conclusion

- ▶ Save your digital poster as an image file. Compile all your research notes and reflection in a document.
- ▶ Share your work with your parents or guardians, discussing what you have learned and accomplished during this activity



Activity: Designing a Smart Home of the Future

Objective:

The objective of this activity is to introduce Grade 5 learners to the concepts of the Internet of Things (IoT), machine learning, and artificial intelligence (AI). Through this activity, learners will have the opportunity to explore and understand how these technologies are integrated into our daily lives, specifically focusing on smart homes.

Activity Overview:

Day 1: Research and Background

- ▶ Conduct online research on IoT, machine learning, and AI.
- ▶ Look for reliable sources such as articles, videos, or websites that explain these concepts using any search engine e.g., Google or Bing.
- ▶ Take notes and summarize the key features, benefits, and risks associated with each technology.
- ▶ Understand how these technologies are integrated into our daily lives.

Day 2-4: Brainstorming and Topic Selection

- ▶ Choose a specific topic for your smart home design, such as energy-efficient systems, home security, or automated entertainment while follow the following steps:

Step 1: Imagine and brainstorm ideas for a smart home of the future.

Step 2: Consider different aspects of a smart home.

Step 3: Evaluate feasibility and personal interest.

Step 4: Choose a specific topic for your smart home design

Day 5-8: Smart Home Design

- ▶ Create a floor plan or digital representation of your smart home design.

Day 9-10: Justification and Explanation

- ▶ Write a short essay or create a presentation explaining your design choices.

Day 11-15: Extension Activities

- ▶ Prepare a visually appealing presentation or virtual gallery showcasing your smart home design.

Day 16-17: Reflection and Revision

- ▶ Reflect on your experience throughout the activity.

Day 18-19: Finalize and Polish

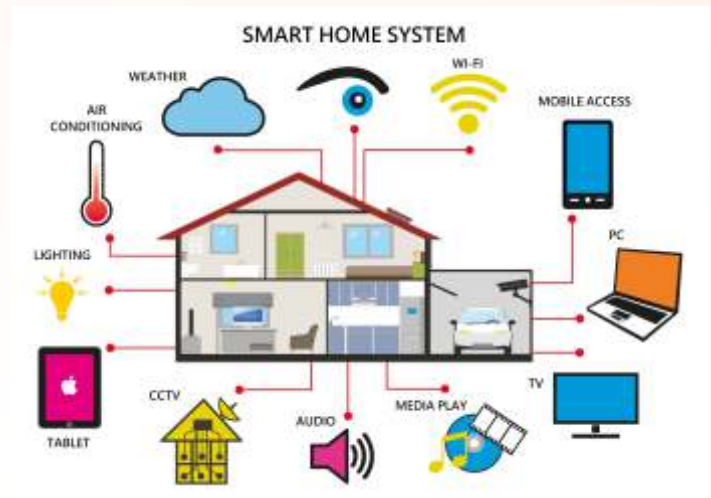
- ▶ Polish your presentation based on the feedback and reflections.

Day 20: Submission and Sharing

- ▶ Share your findings, design, and learnings with your parents or guardians.

Day 21: Wrap-Up and Celebration

- ▶ Reflect on the knowledge and skills gained during the activity and share it with your teacher.



Activity: My Secure Digital Footprint Profile

Objective:

Develop a secure digital footprint profile while understanding the concept of online privacy and responsible online behaviours.

Activity Overview:

Day 1: Introduction

Research and explore the concept of a digital footprint using online resources or books

Day 2: Digital Footprint Exploration

- ▶ Write down or discuss different types of online activities that can leave a digital footprint, such as social media, online gaming, or email.
- ▶ Take note of examples of positive and negative digital footprints and discuss their impact on personal and online reputation.

Day 3: Identifying Personal Information

- ▶ Identify personal information that should be kept private online, such as full name, address, phone number, and school name.
- ▶ Create a list of scenarios where sharing personal information could be risky and potentially harmful.
- ▶ Discuss strategies for protecting personal information, such as using strong passwords, not sharing sensitive information with strangers, and seeking adult supervision when needed.

Day 4-7: Creating a Secure Digital Footprint Profile

- ▶ Use a template or a digital tool like presentation software to create your own secure digital footprint profile and include your first name (without sharing your full name), hobbies or interests, and positive aspects of your personality. Also, make sure not to include any personal information that could compromise your privacy or safety.
- ▶ Look for examples and templates online to get ideas and inspire your creativity.

Day 8-10: Peer Feedback and Review

- ▶ Share your secure digital footprint profile with one or more classmates.
- ▶ Exchange profiles and provide constructive feedback to each other, focusing on privacy and security aspects.
- ▶ Make improvements to your profile based on the feedback received.

Day 16 - 20: Reflection and Presentation

- ▶ Reflect on your learning experience and the steps you took to create a secure digital footprint profile.
- ▶ Prepare a short presentation to share your understanding of a secure digital footprint with your classmates or during a virtual gathering..

Day 21: Wrap-Up

- ▶ Participate in a class discussion to recap key learnings from the activity.
- ▶ Reinforce the importance of maintaining a secure digital footprint and practicing responsible online behavior.
- ▶ Share your knowledge with friends and family to help them stay safe online.



Activity: A Microsoft Forms Survey Challenge

Objective:

- ▶ Engage learners in an interactive and educational experience using Microsoft Forms to create and analyze a survey on a chosen topic, fostering critical thinking skills and data analysis abilities.



Activity Overview:

Day 1: Introduction

- ▶ You will embark on a virtual adventure to create and analyze a survey using Microsoft Forms.
- ▶ Today, you can learn about survey creation and data analysis using technology (MS Forms) at the below links
<https://tinyurl.com/bdeadtjd>
<https://tinyurl.com/mbfy8ank>
<https://tinyurl.com/5f5wnrj9>
<https://tinyurl.com/y2jche64>
<https://tinyurl.com/2s3afuat>
- ▶ By the end of this activity, you will gain valuable skills in critical thinking and data analysis.
- ▶ Make sure to follow the guidelines for ethical and responsible usage of Microsoft Forms.

Day 2: Choose a Topic

- ▶ Explore the list of topics provided below and choose the one that interests you the most.
 - a) Social Media Habits and Trends
 - b) Corporate social responsibility (CSR)
 - c) Reading Habits and Book Preferences
 - d) Cultural Diversity and Inclusion
 - e) Online Learning Experience and Challenges
- ▶ Select a topic that you can create a survey about and collect data from others.



Day 3 - 6: Survey Creation

Create your survey using Microsoft Forms on your chosen topic.

- ▶ Include a variety of question types such as multiple-choice, rating, and open-ended questions. You can learn more about making a survey questionnaire at the below links:
 - a) <https://www.cint.com/blog/how-to-create-a-survey-questionnaire-that-gets-great-responses>
 - b) <https://www.pewresearch.org/our-methods/u-s-surveys/writing-survey-questions/>
- ▶ Use creativity and engaging language to make your survey interesting for respondents.
- ▶ Remember to respect the privacy and anonymity of the respondents.

Day 7 - 14: Data Collection

- ▶ Share your survey to at least twenty respondents, such as friends, family members, and neighbors.
- ▶ Utilize social media (such as WhatsApp) or other online platforms to reach a wider audience if possible.
- ▶ Keep track of the number of responses and the demographics of the respondents.
- ▶ Always remember to obtain informed consent from the respondents and ensure ethical data collection.

Day 15 - 19: Data Analysis

- ▶ Utilize the data analysis tools provided by Microsoft Forms to analyze the responses received.
- ▶ Explore the different charts, graphs, and summary statistics available to interpret the data.

Day 20: Reflection and Wrap-Up

- ▶ Reflect on your experience throughout the activity, including the survey creation and data analysis process.
- ▶ Evaluate the effectiveness of using Microsoft Forms as a tool for data collection and analysis.

Grade 8

Activity: A Chat GPT Learning Adventure

Objective:

- ▶ Engage learners in an interactive and educational experience using a Chat GPT model to explore various topics related to the environment, fostering curiosity and critical thinking skills.

The sub-objectives of the activity are given below

- ▶ Research and Information Gathering:
 - ▶ Develop research skills by utilizing online sources to gather reliable information.
 - ▶ Practice note-taking and organize collected information, facts, and examples.

Critical Thinking and Question Formulation:

- ▶ Foster critical thinking skills by generating open-ended questions related to the chosen topic.
- ▶ Encourage curiosity and the exploration of multiple perspectives through thoughtful inquiries.

Interactive Conversations with Chat GPT:

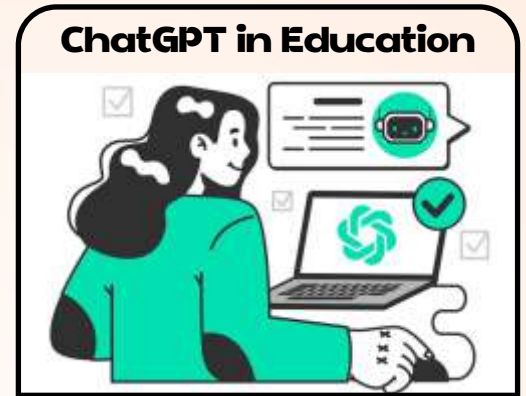
- ▶ Engage in conversations with the Chat GPT model to seek answers to inquiry questions.
- ▶ Practice effective communication skills by articulating questions and engaging in a dialogue.

Documentation and Reflection:

- ▶ Record and document the responses received from the Chat GPT model.
- ▶ Reflect on the learning experience, insights gained, and challenges faced during the activity.

Presentation and Communication:

- ▶ Develop presentation skills by creating a cohesive presentation showcasing the chosen topic.
- ▶ Effectively communicate research findings, inquiry questions, and insights gained from the Chat GPT conversations.



Day 1: Introduction:

- ▶ Learn about the Chat GPT model and how it simulates conversations.
- ▶ Understand the objective of the activity and its focus on environmental topics.
- ▶ Discuss guidelines for ethical and responsible usage of the Chat GPT model.

Day 2: Choose a Topic:

- ▶ Select a topic of interest from the below provided list of environmental topics.
 - a) Climate Change: Causes, Impacts, and Solutions
 - b) Renewable Energy Sources: Solar, Wind, Hydroelectric, and Geothermal
 - c) Water Conservation and Management
 - d) Sustainable Agriculture and Food Production
 - e) Deforestation: Causes, Consequences, and Reforestation Efforts

Discuss your chosen topic with your parents.

Day 3-7: Research and Exploration:

- ▶ Spend time researching your chosen topic using reliable online sources such as using Encyclopedia, Google or any other search engine.

Day 8-10: Inquiry Questions:

- ▶ Generate at least five open-ended questions related to your chosen topic.

Day 11-15: Chat GPT Conversations:

- ▶ Signup for Chat GPT: <https://chat.openai.com/>
- ▶ Utilize the Chat GPT model's simplified interface to interact and ask your inquiry questions.
- ▶ Record the responses you receive and take note of any new insights or additional questions that arise.

Day 16-20: Reflection and Presentation:

- ▶ Reflect on your learning experience, challenges faced, and the effectiveness of using the Chat GPT model.
- ▶ Create a presentation showcasing your topic, incorporating research, inquiry questions, and insights from Chat GPT conversations.

Day 21: Wrap-Up:

- ▶ Reflect on your overall experience and what you have learned.
- ▶ Share your findings and key learnings with your parents and teacher.





Social Studies

Grade 4

1. Draw a map of Pakistan on a chart and show the following things:
 - Provinces and non-provincial units
 - The Capital City of Pakistan and the capital cities of all the provinces.
 - Neighbouring countries
 - Major dams
 - Important rivers
 - Desert areas
 - Mountainous regions
 - Sea ports
 - China Pakistan Economic Corridor (CPEC) route
2. Make a Power Point Presentation on the topic 'Major Landforms of Pakistan' and compare the lifestyle of people in any two land forms. Make sure to add information regarding the following landforms:
 - Forests
 - Rivers
 - Plateaus
 - Plains
 - Deserts
 - Coastal areas
 - Delta

You are encouraged to add pictures and maps showing these landforms in Pakistan.

Grade 5

1. a) Explain three ways in which global warming and climate change is affecting us.
b) Tell one human activity that contributes to global warming.
c) How to reduce global warming.
2. Population growth impacts the progress of a country. Give five reasons supporting this statement.
3. Using internet, research and make a Power Point Presentation of the goods that Pakistan imports and exports.
4. Think of a product or service you would like to create. List its unique features and write how it would benefit people.

History & Geography



HISTORY

Grade 6

1. Make Folded Cards Timeline of “The Crusades” and “The Ottoman Empire”.
2. Make a narrated PowerPoint Presentation on the topic “The Ottoman Empire”.
3. Write down the achievements of all the leaders of The Ottoman Empire. Write about whom do you think has the most important role in the rise of Ottoman Empire and justify your answer.
4. Research how Islam was first brought to the subcontinent. Find out how Mohammad Bin Qasim conquered Sindh and explain how Mahmud of Ghazni expanded his empire into the subcontinent.

Grade 7

1. Make flashcard booklets of your own and write the dates of important events of “The First World War” and unit 7 “The Second World War”.
2. Make a narrated PowerPoint presentation on the topic “The First World War”.
3. Collect pictures of five Muslim leaders who played important roles in “The Struggle for Independence” and write about their contributions in detail. Present your findings on chart.
4. Explore the reasons for the demand for a separate nation for the Muslims of the subcontinent and write your findings based on solid points

GEOGRAPHY

Grade 6

1. Make a narrated PowerPoint Presentation on topic “The Culture of Pakistan”. It should be of 2-3 minutes.
2. Make a project showing how different types of mountains are formed.
3. Collect some facts about different forests of the world and find a few pictures of each. You are to complete the following tasks for this question.
 - a) Research about the different types of forests in the world.
 - b) Find out about the different features of each forest and how climate and physical features affect a forest.
 - c) Explain how forests and woodland improve the quality of environment.

Grade 7

1. Discuss the following points about minerals and mineral industry.
 - (a). Discover about the ‘five-point test’ used to decide whether a material is a mineral or not.
 - (b). Differentiate between metallic and non-metallic minerals.
 - (c). Find pictures of different minerals found in Pakistan. In which provinces of Pakistan are these minerals mined? Write about the uses of these minerals.
2. Narrate the story of a snowflake and a hailstone and illustrate through diagrams how these are formed on a chart.

Islamiat



Grade 1

- Reinforce Tawwuuz, Tasmiiyya, Sana with translation.
- Reinforce First Kalima with translation
- Reinforce recitation of Surah Ikhlas and Surah Al-Asr
- Reinforce the belief in Allah, His Prophets, His Books, and His angels.
- Read Units 6 and 9 from the textbook. Underline 10 difficult words from these two lessons, ask their meanings from your elder siblings, and learn their spellings.

Grade 2

- Reinforce Third Kalima with translation
- Reinforce recitation of Surah Al-Fil
- Make it a daily practice to recite duaa after waking up in the morning and before going to bed
- Reading of Units 4 and 12 from the textbook. Underline 10 difficult words from these two lessons, look for the meanings, and learn their spellings.

Grade 3

- Reinforce Fourth Kalima with translation
- Reinforce recitation of Surah Al-Falaq
- Read Units 12 and 13 from the textbook. Underline 10 difficult words from these two lessons, look for the meanings, and learn their spellings.
- On A4 sheet write:
 - Good deeds that we should do more
 - Bad deeds that we should stop doing
 - Your favourite good deeds



Grade 4

- ◆ Reinforce 99 names of Allah with translation
- ◆ Reinforce Surah al-Quraish with translation
- ◆ Find out and prepare a Fact Sheet on a separate paper under the heading:

MY BEAUTIFUL BOOK: THE HOLY QURAN

You may take help from your elders

- Month in which the Holy Quran's revelation started
 - To whom the Holy Quran was revealed
 - Language of the Holy Quran
 - Number of Surahs
 - Number of "paaras"
- ◆ Read the following lessons from your textbook, find out the difficult words, learn their spellings and write meanings of those words on a separate paper:
 - Pillars of Islam / Zakat
 - Articles of Faith -Akhirat

Grade 5

- ◆ Reinforce Duas for entering and leaving the mosque
- ◆ Reinforce Surah al-Kausar and Surah al-Ikhlās along with their translations and main theme.
- ◆ Learn and recite Ayat-ul-Kursi daily before going to bed.
- ◆ Research about the famous Masjids in the world. Prepare a booklet and write the names of any ten famous Masjids along with their location. Also paste their pictures.
- ◆ Find out and prepare a Fact Sheet on a separate paper under the heading:

MY BEAUTIFUL BOOK: THE HOLY QURAN

You may take help from your elders

- ◆ Month in which the Holy Quran's revelation started
- ◆ Language of the Holy Quran
- ◆ Number of "paaras" in the Holy Quran
- ◆ Shortest Surah of the Holy Quran
- ◆ Name of Surah of the Holy Quran which starts without "Tasmiya"
- ◆ To whom the Holy Quran is revealed
- ◆ Number of Surahs in the Holy Quran
- ◆ Number of Ayaat in the Holy Quran
- ◆ Longest Surah of the Holy Quran

Read the following lessons from your textbook, find out any ten difficult words, learn their spellings, find the meanings of those words and write them on a sheet of paper.

- Boycott by the Quraish
- Journey to Taif

Grade 6

- Read the following lessons from the textbook, underline any ten difficult words and write their meanings. Also write what lesson we can learn from these topics:
 - a) The Ghazwah of Ahzab
 - b) The Lessons learnt from the battle of Ahzab
- Reinforce the following surahs along with the main theme:
 - a) Surah al- Mau'n
 - b) Surah al- Humazah
- Abu Hurayrah (رضي الله عنه) narrated from the Prophet (ﷺ) that he said: "Allah has ninety-nine names. Whosoever memorizes them shall enter Paradise."

Listen and watch on the following link "Asma-ul-Husna (99 Names of Allah)" and write them along with their meanings
<http://tinyurl.com/yaqed4db>

Grade 7

- Read the following lessons from the textbook, underline the difficult words and write the meanings of any ten words. Also write what lesson we can learn from these topics:
 - a) Battle of Tabook
 - b) The Fairwell Hajj and Address of Hazrat Muhammad (ﷺ)
- Reinforce the following Surahs along with their main theme:
 - a) Surah al- Fatiha
 - b) Surah al- Duha

The term "Ashra Mubashra" was designated to ten companions of the Holy Prophet (ﷺ), who were given the glad tidings of Heaven by the Prophet Muhammad (ﷺ) while they were living in this world. Research and write the names of these ten companions.

According to a saying of our beloved Prophet Muhammad (ﷺ) there were about 124,000 Prophets (peace be upon them), sent to various nations and tribes to guide them, the last and the final Prophet being Prophet Muhammad (ﷺ). Research and write the names of any 25 Prophets of Allah.

اردو گرامر: 20 واحد جمع، 20 مذکر مونث، 20 الفاظ متضاد، 20 مترادف، قواعد کی کاپی پر لکھنے ہیں۔

اسم، اسم معرفہ، اسم نکرہ، اسم صوت، اسم علم، صفت اور موصوف، فعل، فاعل اور مفعول، فعل امر اور فعل نہی کی تعریفیں لکھنی اور یاد کرنی ہیں۔

کوئی سے پندرہ محاورات لکھیں۔ اور ان کے معانی لکھنے کے بعد جملے بنائیں۔

کوئی سے دس جملے مثبت اور منفی جملے لکھیں۔ قافیہ اور ردیف کی تعریف لکھیں۔

مضامین:

۱۔ ایک مہذب اور تعلیم یافتہ شہری کے فرائض ۲۔ کامیابی کے گر ۳۔ مثبت سوچ مثبت کردار ۴۔ نظم و ضبط

کی اہمیت قواعد کی کاپی پر لکھنا ہے۔

مکالمے:

گا بک اور دکاندار کے درمیان مہنگائی کے موضوع پر مکالمہ لکھیں۔

ایک عمر رسیدہ آدمی جو کہ ریٹائرڈ افسر ہے اس کی بیٹی کی شادی ہے اور وہ دوسرے کو شادی کا دعوت نامہ دے رہا ہے مکالمے کی صورت میں لکھیں۔

خط:

دوست کے نام خط لکھیں جس میں اسے سردیوں کی چھٹیاں ابیٹ آباد میں گزارنے کی دعوت دیں۔

درخواست:

اپنی پرنسپل صاحبہ کو پکنک پر جانے کے لیے درخواست لکھیں۔

جماعت ہشتم

اسباق:

۱۔ مجھے معاف کر دو ۲۔ ایک خوفناک چیخ سناٹے میں ۳۔ اردو ہے جس کا نام ۴۔ اچھوت

بلند خوانی، الفاظ/معانی، محاورات لکھنے ہیں۔

مضامین:

۱۔ کسی ملک کی ترقی تعلیم پر منحصر ہے۔ ۲۔ ناگہانی آفت ۳۔ مجھے شکایت ہے۔۔۔ ۴۔ ہمارے سماجی رویے

اردو اخبار کا مطالعہ روز کریں اور کسی ایک اہم خبر کو کاٹ کر نوٹ بک پر چسپاں کریں۔ کم از کم 10 خبریں نوٹ بک پر ہونی چاہئیں۔





مضمون نویسی:

۱۔ چغل خوری بری عادت ہے۔

۲۔ علامہ اقبال۔

کہانی:

۱۔ اپنی پسندیدہ کوئی ایک کہانی لکھیں جس سے آپ نے کوئی سبق حاصل کیا ہو۔

۲۔ کسی بھی کتاب سے کوئی تصویر دیکھ کر ایک تصویری کہانی لکھی جائے۔

جماعت ششم

اسباق:

۱۔ جادو کی طشتری

۲۔ حکایات مولانا روم رحمۃ اللہ علیہ

۳۔ بے گناہ کا گناہ

۴۔ ترقی

۵۔ بلی نے نوکری کی

۶۔ دشمن بن گیا دوست

تفہیم: (صفحہ نمبر 115)

تصویری مشق: (صفحہ نمبر 118)

تفہیم: (صفحہ نمبر 145)

ان تمام اسباق کی بلند خوانی کرنی ہے۔ مشکل الفاظ کے معانی اور تمام مشقی سوالات کے جوابات لکھنے اور یاد کرنے ہیں۔

اردو گرامر: 20 واحد جمع، 20 مذکر مونث، 20 الفاظ متضاد، 20 مترادف، قواعد کی کاپی پر لکھنے ہیں۔

اسم، اسم معرفہ، اسم نکرہ، اسم صوت، اسم علم، صفت اور موصوف کی تعریفیں لکھنی اور یاد کرنی ہیں۔

مضامین:

۱۔ علامہ محمد اقبال

۲۔ وقت کی پابندی

۳۔ صبح کی سیر

۴۔ مثالی طالب علم

۵۔ مثبت سوچ مثبت

کردار قواعد کی کاپی پر لکھنا ہے۔

کہانیاں:

۱۔ جھوٹ کی سزا

۲۔ جیسا کرو گے ویسا بھرو گے

۳۔ اتفاق میں برکت ہے

۴۔ لالچ بری بلا ہے۔

اردو قواعد کی کاپی پر لکھنی ہیں اور یاد کرنی ہیں۔

جماعت ہفتم

اسباق:

۱۔ آخری شکار

۲۔ ایک خیال

۳۔ انصاف

۴۔ سینٹ ایتھنسی کی آگ

تصویری مشق: (صفحہ نمبر 106)

تفہیم: (صفحہ نمبر 135)

ان تمام اسباق کی بلند خوانی کرنی ہے۔ مشکل الفاظ کے معانی اور تمام مشقی سوالات کے جوابات لکھنے اور یاد کرنے ہیں۔

اردو گرامر: 20 واحد جمع، 20 مذکر مونث، 20 الفاظ متضاد، 20 مترادف، قواعد کی کاپی پر لکھنے ہیں۔

ریسرچ ورک (تحقیقی سرگرمیاں)

پاکستان کے چاروں صوبوں کی ثقافت پر کتابچہ بنائیں۔

آلودگی سے بچاؤ اور حفاظتی تدابیر پر تصویری کتابچہ بنائیے اور ان تصاویر میں ہونے والی حرکات کو اپنے الفاظ میں لکھیے۔

اسم، فعل کی تعریفیں اور مثالیں۔

جماعت چہارم

۱۔ کتاب سے ”نعت اور خدمت میں عظمت“ کی بلند خوانی کی جائے اور مشکل الفاظ کو خط کشیدہ کر کے ”نعت اور خدمت میں عظمت“ سے ان کے معانی دیکھے جائیں۔ مشکل الفاظ کی املا کی جائے اور ایک پیرائے کی خوشخطی کی جائے۔

۲۔ اردو لفظی گنتی (۳۰-۱) اور ہفتے کے دنوں کے نام لکھ کر یاد کریں۔

قواعد:

۱۔ اسم معرفہ اور اسم نکرہ کی تعریفیں مثالوں کے ساتھ لکھیں۔

۲۔ اسم، فعل اور حرف کی تعریفیں مثالوں کے ساتھ لکھیں۔

۳۔ مثبت، منفی اور سوالیہ ۵، ۵، جملے لکھیں۔

۴۔ فعل۔ فاعل، مفعول اور مرکب کی تعریف مثالوں کے ساتھ لکھیں۔

مضمون نویسی: ۱۔ والدین کی خدمت ۲۔ صفائی نصف ایمان ہے۔

کہانی:

۱۔ اپنی پسندیدہ کوئی ایک کہانی لکھیں جس سے آپ نے کوئی سبق حاصل کیا ہو۔

۲۔ کسی بھی کتاب سے کوئی تصویر دیکھ کر ایک تصویری کہانی لکھی جائے۔

جماعت پنجم

۱۔ کتاب سے ”نعت اور چغل خور اور کسان کی“ بلند خوانی کی جائے اور مشکل الفاظ کو خط کشیدہ کر کے ”نعت اور چغل خور اور کسان“ سے ان کے

معانی دیکھے جائیں۔ مشکل الفاظ کی املا کی جائے اور ایک پیرا گراف کی خوشخطی کی جائے۔

۲۔ اردو لفظی گنتی (۵۰-۲۰) لکھ کر یاد کریں۔

۲۔ حروف عطفی مثالوں کے ساتھ لکھیں۔

۱۔ سابقے اور لاحقے مثالوں کے ساتھ لکھیں۔

۴۔ اسم صفت، موصوف مثبت، منفی اور سوالیہ جملے ۵، ۵، تحریر کریں۔

۳۔ فعل حال، ماضی اور مستقبل تعریف مثالوں کے ساتھ لکھیں۔



جماعت اول

- ۱۔ کوئی سی تین سبق آموز کہانیاں پڑھیں۔
 - ۲۔ حروف تہجی کی پوری اور آدھی اشکال کی دہرائی کریں۔ حروف تہجی کے مختلف حروف سے نئے الفاظ بنائیے۔
 - ۳۔ مندرجہ ذیل اسباق کی بلند خوانی کریں، روزانہ ایک صفحہ خوش خطی کریں، ۵ مشکل الفاظ اور ان کے توڑ لکھیں۔ املا ہفتے میں دو بار۔
- الف۔ نعت ب۔ گفت گو کے آداب ج۔ موسم د۔ سبزیاں اور پھل
- نوٹ:- والدین سے التماس ہے کہ کہانیوں کتابوں کے انتخاب میں بچوں کی مدد کریں اور سبق آموز کہانیاں منتخب کریں۔



جماعت دوم

- ۱۔ کم از کم ۳ سبق آموز کہانیاں پڑھیں۔ ان سے آپ نے کیا سبق سیکھا، ہر ایک کے بارے میں لکھیں۔
 - ۲۔ مندرجہ ذیل اسباق کی بلند خوانی کریں، روزانہ ایک صفحہ خوش خطی کریں، ۵ مشکل الفاظ اور ان کے معانی لکھیں۔
- الف۔ نعت (ب)۔ گرمی (ج)۔ خدمت گار
- ۳۔ مندرجہ ذیل عنوانات سے متعلق تخلیقی لکھائی کریں۔ (۱۰ سے ۷ جملے)
- الف۔ ڈینگی اور کرونا سے بچاؤ کی احتیاطی تدابیر۔ (ب)۔ میرے والدین
- نوٹ:- والدین سے التماس ہے کہ کہانیوں کی کتابوں کے انتخاب میں بچوں کی مدد کریں اور سبق آموز کہانیاں منتخب کریں۔

جماعت سوم

- الف۔ میرا گھر ب۔ صفائی کے فائدے ج۔ ہم سردیوں کی چھٹیاں کیسے گزاریں گے؟
 - ۳۔ مندرجہ ذیل اسباق کی بلند خوانی کریں، روزانہ ایک صفحہ خوش خطی کریں، ۵ مشکل الفاظ کے معانی اور ان الفاظ کے جملے لکھیں۔
- الف۔ نعت ب۔ ہمارا پیارا وطن ج۔ ہماری زمین د۔ رحم دلی (صفحہ ۷۲ سے ۷۳)

MATRICULATION

Pre SSC



English:

Read Unit 8, 9, 10 and underline all the important information.

Paragraph writing

- Write a paragraph on the following topics.
 - Life in a big city
 - A Visit to Historical Monument
 - Save wildlife
- Proverbs
- Below are the starts of some proverbs, finish these proverbs in your homework journal and write their meanings as well.
 - A stitch in time.
 - A bird in the hand.
 - Look before.
 - You can't teach an old dog.
 - Look after the pennies.
 - Don't look a gift horse.
- Write a dialogue between you and your friend regarding your future plans after the declaration of SSC result
- Write rules of Tenses and Active/Passive Voice with examples.
- Attempt past paper/model paper of year 2020

Islamiyat:

- Learn Hadith # 1 – 5.
- Make notes of the following topics and learn Q/A.
 - The Holy Quran
 - Love for Allah and His Prophet(s)
 - Knowledge and its excellence
 - Prophets life (lesson # 1 – 6)
 - Ethics and manners (Lesson # 1 – 4)
- Revise translation of Surah Yaseen and Surah Luqman.

Pakistan Studies:

Write answers of the following questions in your homework journal:

- What is meant by Two Nation Theory in the historical perspective of Sub continent?
- How did Quaid-e-Azam get the title of ambassador of peace?
- How did the provincial groups form in Cabinet Mission?
- How did India occupy Kashmir?
- Discuss two causes of war of 1965.
- What is meant by Union Council and Union Committee?

Mathematic:

Q1) Identify the property used in the following

- 1) $a+b=b+a$
- 2) $7 \times \frac{1}{7} = 1$
- 3) $a > b = ac > bc$
- 4) $x > y$ or $x = y$ or $x < y$
- 5) $5 + (-5) = 0$

Q2) Express each complex number in standard form $a+ib$

- 1) $(2+3i) + (7-2i)$
- 2) $2(5+4i) - 3(7+4i)$
- 3) $(2 - (-4i))(2 + (4i))$

Q3) If $x + \frac{1}{x} = 3$ then find the value of $x^3 + \frac{1}{x^3}$

Q4) Factorize the following

- 1) $x^3 - y^3 - x + y$
- 2) $8x^3 - \frac{1}{27}y^3$

Q#5) Simplify each of the following

- 1) $A^{-\frac{1}{A}}$ where $A = \frac{a+1}{a-1}$
- 2) $\frac{1}{x^2-8x+15} + \frac{1}{x^2-4x+3} - \frac{2}{x^2-6x+5}$

Q#6) Revise Theorem 1-4 on rough note books.

Biology:

1. Explore more about Unit 3 and write detailed notes on Five kingdom classification and conservation of biodiversity.
2. What do you know about cells and tissues? Write detailed notes on plants and animals' tissue? Define and explain cellular structures and functions?
3. Write more about cell cycle and draw diagrams of mitosis and meiosis.
4. Make a 3-D model or a chart paper drawing of any topic from Chapter 3.
5. Interactive Simulations for Fun Learning:

PhET Simulations Biology

<http://phet.colorado.edu/en/simulations/category/biology>

Chemistry:

1. Practice Dot and Cross structures

- NaCl
- MgF
- O₂
- H₂O
- CH₄
- CO₂

2. Make a 3-D model of either Rutherford atomic model or structures of an atom. Help can be taken from Pinterest or Youtube.

3. Revise unit # 3,4 and 5 and attempt all exercise questions of these units.

Physics:

1. Numerical Practice

- Chapter #2 pg# 54 Q1-10
- Chapter #3 pg# 83 Q1-10
- Chapter#4 pg#105 Q1-10
- Chapter#5 pg# 115 +116 Q1-10
- Chapter#6 pg#142 Q1-10

3. Differentiate between Distance-Time and Speed-Time graphs by plotting them on a chart paper.
4. Attempt physics model paper for 2021.

Write and prepare 3 equations of motion and Newton's law.

Computer Science:

A. Try out revision challenges on the following links.

1. Hardware

<http://www.bbc.co.uk/education/topics/zkq2pv4>

2. Software

<http://www.bbc.co.uk/education/topics/z87mn39>

B. Do all exercises of Chapter 3 - Office Automation in homework journal.

Urdu:

۱۔ شعری اصطلاحات کی تعریفیں لکھیں مثالوں کے ساتھ

۲۔ مکالمہ نویسی:

۱۔ دوستوں کے درمیان امتحان میں نقل کا رجحان

۲۔ دو دوستوں کے درمیان پابندی وقت پر۔

۳۔ روداد نویسی لکھیں۔

۱۔ روداد تقریب یوم آزادی

۲۔ روداد ناقابل فراموش سانحہ

۱۔ خطوط نویسی: اپنی بہن کے نام خط لکھیے جس میں اُسے اپنے ساتھ موسم سرما گزارنے کی دعوت دیں۔

۲۔ اپنے چھوٹے بھائی کے نام خط لکھیں جس میں اُسے بڑی صحبت چھوڑنے اور پڑھائی کی طرف راغب ہونے کی نصیحت کریں۔

INTERNATIONAL GENERAL CERTIFICATE OF SECONDARY EDUCATION IGCSE-I



English: 0500

- Reading books is a best way to improve writing style and vocabulary. Following books are recommended to read during the winter break.
 1. Alice in the Wonderland.
 2. Anne of Green Gables
 3. The Book Thief
 4. A Journey to the Centre of the Earth
 5. Keeper
 6. Time Travelling with a Hamster
- (Be ready to share the Book Reviews with the class after the winter break)
- Make a “Word Wall” of all the new words learned from the books you read and be ready to share the words with your class mates.
- Keep a journal to record your Holiday routine (at least 10 entries)
- Write 3 separate descriptive essays. (300 – 350 words). Topics are
 1. An experience of a life time
 2. A lost item found outdoors
 3. A place that gives one nightmares

Mathematics: 0580

- The only way to learn Math is to do Math (Paul Halmos)
- Keep practicing the below mentioned exercises.
 1. Review Exercise 5
 2. Review Exercise 6
 3. Review Exercise 12
 4. Review Exercise 14
 5. Review Exercise 16

Physics: 0625

- Revise and Practice: Unit # 1 – Unit # 6
- Make 1 project from any area of Physics and be ready to present it on Project Display Day.

Chemistry: 0620

- Derive chemical formulas of any 20 compounds.
- Calculate Relative Molecular Mass of any 10 compounds.
- Construct 10 chemical equations and balance them.
- Solve exercise questions of Unit # 3 and 4.
- Make a 3D model of Diamond and Graphite.
- Read chapter ‘STOCHIOMETRY’ and write definitions of keywords given in the chapter.
- Revise formulas and definitions.

Biology: 0610

- Construct a dichotomous key by collecting different types of leaves from your surroundings.
- State the main features of the five groups of vertebrates. Collect and Paste their pictures in your notebook.
- Make a 3D model of an animal and a plant cell.
- Make a 3D model of transverse section of a leaf.

Computer Science: 0478

- Make an interactive presentation in any software other than PowerPoint on Artificial Intelligence.
- Develop a website on ecommerce related to online shopping. (Any platform can be used)
- Read chapter “the internet and its uses” and make a booklet of definitions for the keywords listed at the end of the chapter.

Islamiyat: 0493

- Write detail note on all six articles of Faith and five Pillars of Islam.
- Make a PowerPoint presentation on caliphate of Hazrat Ali (A.S) and Hazrat Usman (R.A).

Pakistan Studies: 0448

HISTORY

- Practice questions from Chapter # 6 and 7 in your notebooks. (Question bank is already given)

Geography

- Practice questions from Chapter # 2 and 7 in your notebook. (Question bank is already given)

Urdu: 0539

- Past Paper Booklet سے مضمون نمبر 1, 2, 3 لکھ کر لانیے ہیں۔
- Past Paper Booklet سے خلاصہ نمبر 1, 2 کر کے لانیے ہیں۔
- Past Paper Booklet سے مشق نمبر 1 سے مختصر سوالات کے جوابات لکھ کر لانیے ہیں۔
- سرگرمی نمبر 1, 2 اور 3 کر کے لانیے ہیں۔



Winter IS MAGIC



**MILLENNIUM
EDUCATION**

I Inspire Hope

Head Office: No.80, Street No.1, NPF, Sector E-11/4, Islamabad 44000, Pakistan.

UAN: +92 51 111 111 193, Tel: +92 51 2375201-6, Fax: +92 51 2375208

URL: tme.edu.pk, Email: info@tme.edu.pk

Copyrights © 2024 The Millennium Education, Pakistan
All rights reserved.



LMS MATRIX
Apple iTunes



LMS MATRIX
Google Play Store

