



MILLENNIUM
EDUCATION



BRITISH
COUNCIL
INTERNATIONAL
SCHOOL AWARD

SUMMER Vacation Homework

Hope your summer is a splash
of lots of good times! **2K22**

THE MILLENNIUM PRIMARY YEARS TMPY
THE MILLENNIUM MIDDLE YEARS TMMY



Department of
Qualifications, Curriculum
& Assessments

Transforming Schools Into Learning Communities

Dear Parent/Guardian,

Greetings from The Millennium Education, I congratulate you all on the successful culmination of the school year 2021-2022.


As summer vacations approach, you must all be looking forward to many wonderful events.. We wish you safe travels and an abundance of joy, laughter, and love during this much awaited break with your children.

Summer activities provide valuable experiences in which children learn about themselves and the world around them. Your child's life can be enriched through reading and journal writing. Please make sure that your child's day includes time that is set aside for independent reading.

Parental involvement plays a significant role in the academic growth of children, hope you enjoy a fun filled time with some focus on enhancing learning abilities as well.

Together we can make a difference!! Wishing you all the best and an enjoyable summer break.

Warm Regards,



Director Teaching & Learning,
The Millennium Education.



Grade 1

- ◆ Read at least 2 pages of the given readers of your choice at home on a daily basis.
- ◆ Underline the common nouns, and colour the proper nouns blue, after reading.
- ◆ Write 5 sentences about your favourite wild animal, using at least 5 describing words.
- ◆ Read Unit 1 from your book and encircle “**action words**”.
- ◆ Write 3 sentences daily in Nelson Script using the action words that you have encircle
- ◆ Watch the series, 'Just so stories', by Rudyard Kipling and share the stories with your class.

Grade 2

Read the stories from Unit 1

Write 5 sentences describing any one of the characters.

Read any poem from your book.

Underline rhyming words in the poem.

Invent a new candy and make an advertisement for it, act it out, and ask your parents to record a video.

Write how you came about the idea for your candy in chronological order.

Skim read interesting facts about the mascots of Winter Olympics on the internet and share them with your siblings.

Read the story 'The Litter Queen' at home.

- ◆ a) Act out the story with your cousins.
- ◆ b) Discuss the moral of the story with them.

Read the book, 'Just so Stories', by Rudyard Kipling and solve the exercises at the end of the book. Bring the book to the class after the vacations and discuss your favourite story with the class.

Grade 3

Read Unit 2 “from your English book. Underline difficult words and write their meanings from the dictionary.

Learn the spelling and meaning of these vocabulary words.

Write 3 sentences each using the following:

- ◆ a) Verbs (1 past tense, 1 present tense, 1 future tense)
- ◆ b) Adjectives (use “courageous”, “anxious”, “eager”)
- ◆ c) Quotation Marks
- ◆ d) Pronouns (1 singular pronoun, 2 plural pronouns)
- ◆ e) Apostrophes for Contractions (use “they've”, “wouldn't”, “she'd”)
- ◆ f) Powerful Words (use “relish”, “captivated”, “offensive”)
- ◆ g) Compound sentences (use “and”, “or”, “but”)

Attempt the comprehension passage titled “The Wall of Fear” (tagged as “Orange A”) from your comprehension booklet.

Read a book by Enid Blyton and write its summary. Bring the book to class after the vacations and discuss your favourite part with the class.

ACTIVITY

Imagine that you receive a letter from Hogwarts (Harry Potter) inviting you to come learn how to be a wizard or witch.

Would you go?

Why or why not?

What type of magical spell? would you be most excited to learn?

Make a video of your answer.

Grade 4

- ◆ Read Unit 5 from your book. Underline the difficult words and write their meanings from the dictionary. Learn the spellings and meanings of these vocabulary words, and use the words in indirect sentences. Write 3 sentences for each of the following:
 - a) alliteration
 - b) personification
 - c) onomatopoeia
- ◆ Write a poem about “Clouds”.
- ◆ Write five similes (1 for each) about:
 - a) ocean
 - b) fox
 - c) roses
 - d) snow
 - e) ice
- ◆ Change the above similes into metaphors.
- ◆ Write a story, on any one of the following topics, clearly marking six stages of a plot:
 - a) Locked Alone at Home
 - b) The Magical Lottery Ticket
- ◆ Attempt the comprehension passage titled “The Green Knight” (tagged as “Grey A Test 3”) from your comprehension booklet.
- ◆ Read any one (1) book by Roald Dahl and write its summary. Bring the book to class after the vacations and discuss your favourite part with the class.

Grade 5

- ◆ Read Unit 1 and Unit 2 from your English book. Underline difficult words and write their meanings from the dictionary.
- ◆ Learn the spellings and meanings of these vocabulary words. Use 5 of the words in Direct Speech and 5 in Indirect Speech.
- ◆ Attempt the comprehension passage titled “Five Golden Rules for Keeping a Pet Dragon” (tagged as “Red Plus A Test 2”) from your comprehension booklet.
- ◆ Read the passage below to attempt the questions at the end:

PASSAGE

This is a story about a slave named Dave. This is a story about how the white slave owner tried to never let Dave become a man. Back in slavery time, Dave was slaving on a plantation somewhere in Tennessee. He was working in the field one day when he looked up and saw a terrible sight and started yelling.

“There's ol'¹Massa and ol'²Missy's two children out in a boat. They are out there screaming. They've lost their oars. The boat is out of control, spinning around. They're going to be thrown in the water. Somebody help them!” Dave screamed. A field slave, called High John yelled back, “Why don't you leave it alone, Dave? White people beat us and tell us what to do, we don't need to help them.” “I'm not doing that. What'd you talking about, that's pure mean. Them's people, and I'm going save them. I gotta hurry.” Dave yelled back.

Dave ran up to the big house and told Massa and Missy. Then he jumped into the river, swam out, took hold of the boat, and stopped it from spinning. Dave was strong from working in the field, and he kicked the boat. Then, he kicked his legs strong, moving the boat to the shore.

Massa and Missy had run down to the river to meet their children. “Dave, you're the best slave we have. If you make a good crop this year and fill up the barn, then I'm gonna give you your freedom,” Massa said.

the river, swam out, took hold of the boat, and stopped it from spinning. Dave was strong from working in the field, and he kicked the boat. Then, he kicked his legs strong, moving the boat to the shore. Massa and Missy had run down to the river to meet their children. "Dave, you're the best slave we have. If you make a good crop this year and fill up the barn, then I'm gonna give you your freedom," Massa said.

That's how it worked in slavery. It was good enough that Dave had saved Massa's children, he had to plow, plant, and ³hoe for a year, and then just maybe he could be free. Dave was free all the time, he just didn't know how to ⁴enforce it. Dave worked like a champ for a whole year. He made such a good crop, it filled the barn and half of the house. Finally Massa said, "Well Dave I'm a man of my word. I ⁵sho' hate to get rid of a good slave like you, but I promised. I'll give you this suit of clothes. Look at that, my wife and children, they are sniffy and crying."

Dave was glad to finally be away. He tied the clothes in a bundle and put them on a stick, then he started walking- walking real slow. He never turned back, he kept walking even when Massa called him.

"Dave! The children love you," Massa called.

"⁶Yassah," Dave called back, even though he didn't look back.

"Dave, I love you," Massa called.

"Yassah," not turning back.

"And missy, she likes you," Massah called again.

"Yassah," not turning back.

"Remember you are still a slave, even though you're free," Massah yelled.

As long as Dave was in sight Massa was standing on the porch yelling.

"Dave! The children love you. I love you, and missy, she likes you. But remember, Dave! You still a slave inside!" Massa yelled.

"Yassah," Dave yelled back almost out of ear shot now. He never looked back and kept on stepping until he got to Canada. Even though they had let his body free, they wanted to keep him a slave.

You ain't free as long as you let somebody else tell you who you are. You be like Dave. Just keep on stepping, children, when you know you're right. Don't matter what they yell after you. Just keep on stepping.

¹Master | ²Mistress | ³Prepare the ground, dig the weeds out | ⁴apply/ carry out | ⁵sure | ⁶Yes, sir

Q1: A suitable title for the above passage may be:



Q2: Write the topic sentence for Paragraph 4 in the given space.

Q3: Three arguments the owners used to try and convince Dave to stay a slave were:

- a) _____
- b) _____
- c) _____

Q4: Five prepositions used in the passage are:

- a) _____
- b) _____
- c) _____
- d) _____
- e) _____

Q5: The main idea of the passage is:

Q6: An adverb used in the passage is:

Q7: Use the above adverb in your own sentence:

Q8: Write the number of syllables in the following words:

words	number of syllables
enforce	
spinning	
Canada	
Tennessee	

- ◆ Read the novel 'Heidi' by Johanna Spyri, and write its summary.
- ◆ Bring the book to class after the vacations and discuss your favourite part with the class.



Grade 6

1. Read 'Valley of Fear' and describe your favourite character.
 2. '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, etc. You can google your research by studying, the most beautiful places of Pakistan. Your description must include the following:
 - a. geographical location
 - b. main characteristics of the land
 - c. brief description of the local people
 - d. their importance as a tourist resort
 3. Watch the movies stated below and do the assignment stated with each:
 - a. Small Foot**
Imagine that you are a baby Yeti, and you have heard about the human beings for the first time in your life. Express your feelings and state your views about this strange creature, man, as described in the movie.
 - b. 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.
 - c. 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.
- Note:** All the homework assignments are to be done in the composition copies.

Grade 7

1. Read the play 'Julius Caesar' and write about one incident that touched you the most and why.
 2. Based on what you read in 'Harry Potter and the Philosopher's stone', write a news report about the escape of the snake, from its cage, in the zoo. (200-250 words)
 3. Write a one day diary entry, every week of your vacations.
 4. Watch the following movies and do the assignment related to each movie.
 - a. Seabiscuit**
Although Seabiscuit is a horse, it plays an important role in keeping a number of strangers together, as members of one family. Support this statement with evidence from the movie.
 - b. Coco**
After watching the movie, Coco, how can you say that the love of family is very important for people, even after their death?
- Note:** All the assignments are to be done in the composition copies.

Grade 8

1. Write a one day diary entry, every week of your vacations.
2. 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





Grade 1

- ◆ Learn the tables (multiples) of 2 and 5.
- ◆ Reinforce forward and backward counting (1- 100).
- ◆ Reinforce Number spellings (50-100).
- ◆ Practice at least 20 addition and subtraction questions. (without carrying and borrowing)
- ◆ Fun with Maths!!!

Web sites

Practicing Math via following web sites 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
- www.math-exercises-for-kids.com/
- www.education.com/activity/first-grade/math/



Grade 2

- ◆ Learn the tables (multiples) of 2,3,4,5 & 10
- ◆ Reinforce forward and backward counting (1-1000).
- ◆ Reinforce number spellings (1-500).
- ◆ Practice board games for enhancing the basic Math skills.
- ◆ Practice at least 20 Addition, Subtraction, Multiplication and Division sums.
- ◆ Project Work: (Best projects will be displayed in the class)
- ◆ Write down the rules of addition & subtraction on a chart paper with images.
- ◆ Make any four 3D shapes (Hint! google how to make 3D shapes)

Web sites

Practicing Math via these websites will help the learners stay in touch with the basic concepts done during the year.

- www.turtlediary.com
- www.education.com/
- www.mathblaster.com/
- www.math-play.com/2nd-grade-math-games.html



Grade 3

Q 1. Write down tables of 2-10

Q 2. Count in 1s up to 5 numbers

- a. 545 b. 782 c. 906 d. 117 e. 460

Q 3. Count in 10s up to 5 numbers

- a. 602 b. 936 c. 357 d. 273 e. 783

Q 4. Count in 100s up to 5 numbers

- a. 462 b. 109 c. 348 d. 567 e. 299

Q 5. Write the correct symbol (< or >) between each pair of numbers

- a. 307 370
 b. 826 862
 c. 940 904
 d. 563 365
 e. 489 498

Q 6. Round off the numbers to the nearest 10

- a. 77 b. 23 c. 545 d. 891 e. 459

Q 7. Write the number that is half of each given number

- a. 36 b. 50 c. 82 d. 44 e. 18

Q 8. Write the number that is double of each given number

- a. 14 b. 63 c. 42 d. 28 e. 30

Q9. Add the following.

01.	$64+50=$ _____	06	$245+32=$ _____	11	$742+22=$ _____
02.	$72+19=$ _____	07	$382+41=$ _____	12	$155+38=$ _____
03.	$25+55=$ _____	08	$833+50=$ _____	13	$102+88=$ _____
04.	$38+41=$ _____	09	$625+39=$ _____	14	$411+65=$ _____
05	$57+29=$ _____	10	$420+39=$ _____		

Q10. Subtract the following.

01.	$83-12=$ _____	06	$860-50=$ _____	11	$450-40=$ _____
02.	$94-13=$ _____	07	$521-30=$ _____	12	$184-20=$ _____
03.	$86-27=$ _____	08	$254-200=$ _____	13	$662-30=$ _____
04.	$53-33=$ _____	09	$873-90=$ _____	14	$825-300=$ _____
05	$93-42=$ _____	10	$931-70=$ _____	15	$203-100=$ _____



Q11. Complete these calculations.

01.	$9 \times 2 =$ _____	08	$82 \times 10 =$ _____	15	$81 \div 9 =$ _____
02.	$10 \times 3 =$ _____	09	$75 \times 10 =$ _____	16	$63 \div 7 =$ _____
03.	$7 \times 8 =$ _____	10	$82 \times 10 =$ _____	17	$24 \div 4 =$ _____
04.	$6 \times 5 =$ _____	11	$67 \times 10 =$ _____	18	$36 \div 2 =$ _____
05.	$12 \times 10 =$ _____	12	$43 \times 10 =$ _____	19	$64 \div 8 =$ _____
06.	$96 \times 10 =$ _____	13	$30 \div 5 =$ _____	20	$54 \div 6 =$ _____
07.	$52 \times 10 =$ _____	14	$40 \div 4 =$ _____	21	$72 \div 9 =$ _____

Q 12. Make different 3D shapes by using a thermocol sheet and label them.

Q 13. Create a Math Story Book, using the 4 operations (+ , - , x , ÷)

Grade 4





- ◆ Do the following questions in RA notebook
- ◆ Write each table three times from 2-12.
- ◆ Memorize tables from 2-12
- ◆ Make two different 3D polygons of your own choice with a chart paper in 3D
- ◆ Write the multiples of 2-12 and make a number chain in which the digit at unit place is same as the digit at tens place of the previous numbers
- ◆ $2,000 + \underline{\hspace{2cm}} + 30 + 9 = 2,739$
 a) 30 b) 200 c) 9
- ◆ If the digits in the hundreds place of 37,432 is doubled the new number will be _____ .
 a) 37,434 b) 37,462 c) 37,832 d) 67,432
- ◆ How many lines of symmetry does a square have?
 a) 0 lines b) 1 line c) 2 lines d) 4 lines
- ◆ How many lines of symmetry does each shape have?
 a) Regular Octagon b) Square c) Rectangle d) Regular Hexagon
 e) Triangle f) Parallelogram
- ◆ Change 4km into meters
- ◆ Change 25m into centimeters
- ◆ Change 6000m into kilometer
- ◆ Change 9kg into grams
- ◆ Change 4000g into kilogram
- ◆ There are 20 students in Mr. Adam's class. Each student has 5 dollars. How much money is there in all?
- ◆ Miss Lindberg travelled 2,103 Km. Ms. Torres travelled 2,345 Km. How much farther did Ms. Torres travel than Ms. Lindberg?
- ◆ Bernard wanted to bring a bunch of flowers to each of the children at the orphanage. Each bunch had 6 flowers wrapped together with a ribbon. There were 32 children at the orphanage. How many flowers will Bernard have to pick in total?
- ◆ If Gary's ruler is 12 cm, and Perla's ruler is 36 cm, what is the length difference between the two rulers?
- ◆ If Ali has four candy bars, Ruby has three candy bars, and Daniyal has 26 candy bars. How

many candy bars do they have altogether?

- ◆ Ms. Brown has 18 students in her class. She splits them in 6 equal groups. How many students does she have per group?
- ◆ The graph below shows how many oranges were sold in 3 weeks

a) How many oranges were sold during the third week?

b) In which week the oranges sold were the maximum?

Week	Oranges
Week 1	
Week 2	
Week 3	
Each  orange stands for 20 oranges	

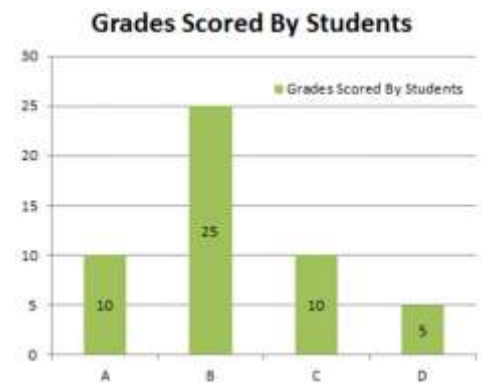
Library books



- ◆ In the pie on left, details of library books in the school library are given.
 - How many books are there in the library, in all?
 - Name the subject on which least number of books is there in the library.
 - Find the number of books on Math subject in the library.
 - Work out the difference between the number of French books and English books.

◆ The graph shows different grades scored by students in grade 4.

- How many students scored Grade B?
- Which Grade was least scored?
- How many students scored Grade A?
- How many students are there in grade 4?



Grade 5

Q 1. Complete the missing numbers in each sentence.

- a) $6 = \underline{\quad} \times 3$ b) $16 = \underline{\quad} \times 2$ c) $30 = 2 \times \underline{\quad}$ d) $24 = 12 \times \underline{\quad}$
- e) $12 = \underline{\quad} \times 6$ f) $81 = \underline{\quad} \times 9$ g) $72 = 8 \times \underline{\quad}$

Q 2. For each number fact, write three more related facts,

◆ Double of 9 is 81.

- a) _____ b) _____ c) _____

◆ Half of 8 is 4.

- a) _____ b) _____ c) _____

Q 3. Use the BODMAS rule to work out the answers

- a) $8 + 3 \times 2 =$ _____ b) $6 - 10 \div 2 =$ _____ c) $42 \div 7 - 4 =$ _____ d) $9 \div 3 + 7 =$ _____
e) $14 + 45 \div 5 =$ _____ f) $7 + 3 - 2 =$ _____ g) $24 \div 7 + 2 =$ _____

Q 4. Convert the fractions into decimals

- a) $1 \div 2 =$ _____ b) $3 \div 4 =$ _____ c) $5 \div 6 =$ _____ d) $2 \div 10 =$ _____
e) $5 \div 20 =$ _____ f) $7 \div 10 =$ _____ g) $8 \div 5 =$ _____

Q 5. Revise tables from 2 to 15.

Q 6. Do students workbook pages 130,131.

Q 7. Practice students workbook pg#140,141.

Q 8. Find LCM ,HCF of the following

- a) 30,15 b) 45,3 c) 100,50 d)76,32
e) 90,30 f) 120,105 g) 50,25

PROJECT

Topic: Percentage

On thermocol sheet draw percentages of food liked by students of grade 5 and subjects liked by students of grade 5, with different glaze papers.

Grade 6

Q1: Find the following by using Prime Factorization.

- a) Square root of 9801 b) Cube root of 730

Q2: Find the HCF of the following.

- 1) 1008 and 1960 2) 225,495 and 810

Q3: Find the LCM of the following

- a) 450,720,1170 b) 252,378,567

Q4: Find the value of each of the following

- a) $7 - (-3)$ b) $4 + (-2)$ c) $-8 - 4$ d) $-5 + 6$ e) $10 - 9$ f) $2 + 10$ g) $-5 - (-2)$

Q5: Find the value of each of the following

- a) $-4 \div 5 + (1 \div 2 + (-2 \div 5) + 1)$ b) $1 \div 5 + 6 \quad 1 \div 5 + (-4/3)$

Q6: Evaluate:

- a) $16x + (-7y) + 5y - x$ b) $-7x - (-2x) - 12y$ c) $5x + (-4y) - 6x + 3y$ d) $-9x - (-2x) + 5y + 2$

Q7: Simplify: When $a=6$, $b=-2$, $c=-1$

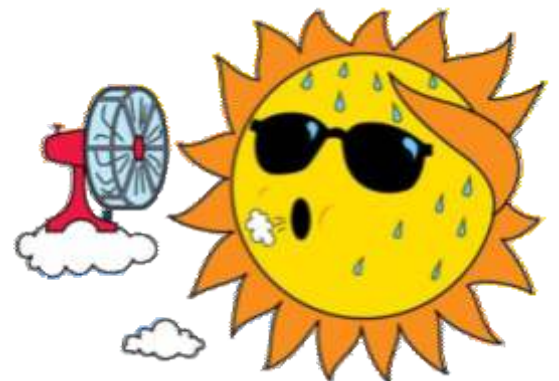
- a) $b - c/2a + (a+b+c)/c$ b) $b/c + a/2b - b/2c$ c) $4a + 5b - c$

Q8: Convert the percentage into fraction.

- a) 126% b) 24.5% c) 215%

Q9: Convert the fraction into percentage.

- a) $228/100$ b) $7/5$ c) $44/8$



Q10: Draw the angles

- a) 65° b) 130° c) 180° d) 250° e) 320°

Q11: Find square root by prime factorization method.

- a) 518400 b) 48200

Q12: Find the cube root.

- a) 216000 b) 39304

Q13: Estimate the value of cube root of each of the following.

- a) 7999 b) 999 c) 220

Grade 7

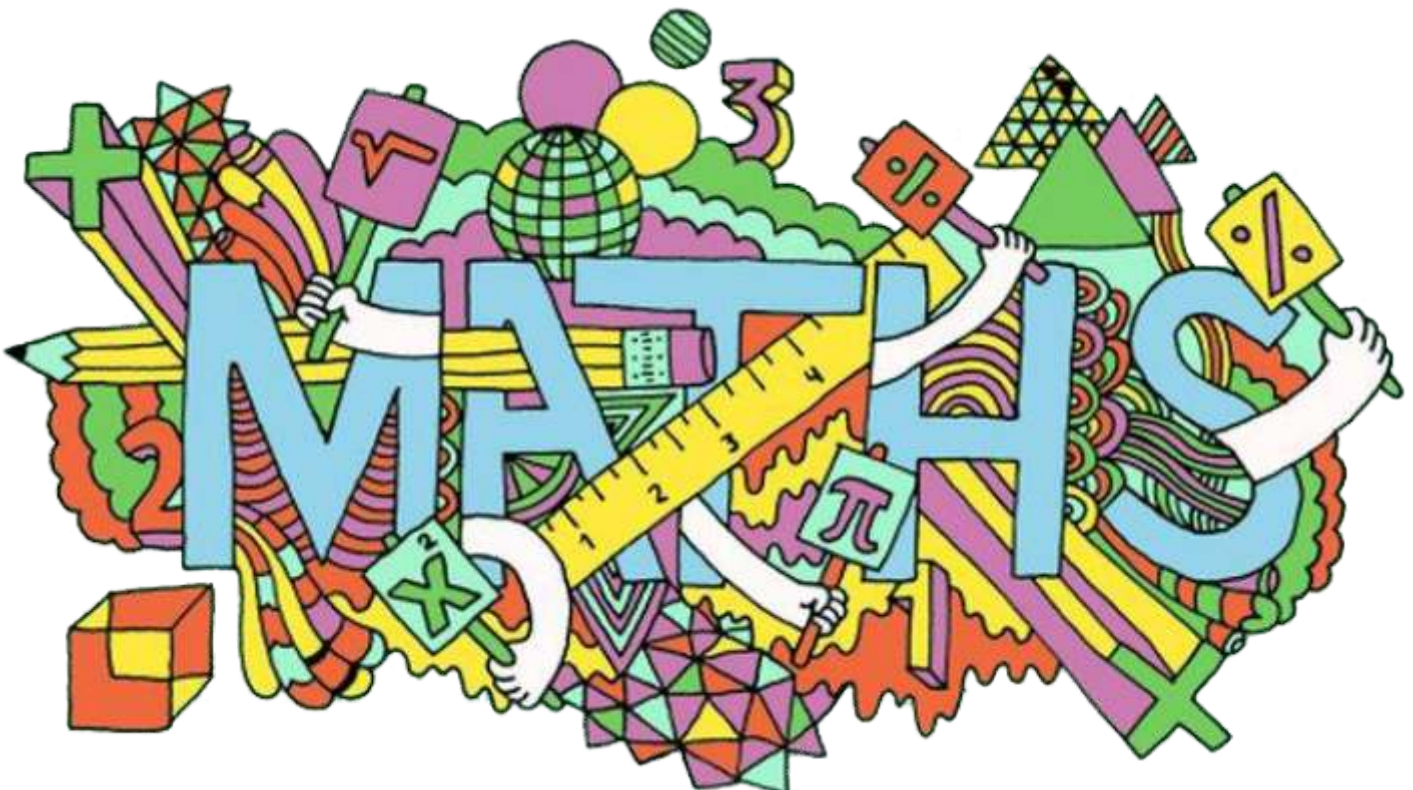
- ◆ Practice these questions neatly on loose sheets.
- ◆ Area and Perimeter
Workbook: pg# 149 Q6
pg# 150 Q5,6
pg# 152 Q13
- ◆ Basic Geometry
Workbook pg# 111 Q6
- ◆ Percentage
Workbook pg# 94 Q11-17



Grade 8

Revise the following chapters

- ◆ Chapter 2 Linear graphs and Simultaneous Linear Equations.
- ◆ Chapter 5 Quadratic Equations and Graphs
- ◆ Chapter 15 Probability of single event.



Projects for Grade 7 & 8

The deck of Set: The game of Set is a card game. Each card in the deck has a picture with four attributes:

- ♦ shape: ovals, squiggles, or diamonds
- ♦ number: one, two, or three of the selected shape
- ♦ color: red, green, or purple
- ♦ shading: outlined, striped, or filled

The full deck has one card with each possible combination of attributes. All the cards in the deck are different. A Set consists of three cards in which each attribute is either the same on all three cards or is different on each of the three cards. (The word set has many meanings; to show that we are referring to the meaning defined above, we'll capitalize the word.)



The three cards shown above form a Set: all three cards have the same shape and shading, but the number and color of the shape are different for all three cards.



These three cards do not form a Set, because the first and the third cards share the same shading while the card in the middle has a different shading.

Playing the game of Set: Twelve cards are placed face up on the table. The players look for Sets. When they find Sets, they put them in their own piles and put more cards on the table to bring the total number of cards back to twelve. The game continues until all the cards are dealt and no more Sets can be found. The player with the most Sets at the end of the game wins.

MAKE STRING ART

What You Need:

Square of plywood or balsa wood around 12 by 12 inches (can be found at your local craft store) ½ inch nails Ball peen hammer 2 different sized plates for tracing, one an inch or so larger than the other Pencil Ruler 2 complimentary colors of string (blue and orange, yellow and purple, red and green) Old magazine.

What You Do:

1. Help your child position the larger plate so that it's centered on the wood board, and have him use a pencil to lightly trace around the outside.
2. Now, have him position the smaller plate inside the larger circle and trace around the outside, creating a smaller circle inside the larger one.
3. Have your child use a ruler to measure and mark every half inch around each circle. As he works, he's also getting great practice with his math skills and concentration!
4. Now its time for some hammering! Place a magazine under the wood base to ensure his nails won't pound through the work table. Then, help him use the ball peen hammer to hammer a nail into each mark on both circles.
5. When the nails are all in, its time for some colorful string! Have him cut a length of string and tie it around a



nail on the outside circle. Then, have him loop the string around the nails, first on the inside and then outside circle, creating a zigzagged design around the circle.

6. Next, he can use the other color of string to tie, loop, and zigzag on the nails that haven't been looped with string.

7. Have him continue tying and looping lengths of string until each nail has been looped with a piece of string.

Ribbon Pattern Weave

What You Need:

Ribbon in at least two different colors Scissors Cardboard or thick paper Glue Craft stick

What You Do:

1. Decide on ribbon colors, desired pattern, and shape of the weave. For beginners or inexperienced artists it may be helpful to start simple. For example, try using a piece of plain rectangle-shaped paper as a base for the weave.

2. Cut the ribbon to fit the paper being used.

3. Ask your child to choose a pattern based on the colors of ribbon. Have him place a line of glue down the left side of the cardboard or paper. Lay a piece of ribbon down horizontally on the paper with the left edge on the glue. Leave the top row empty (i.e., there should be a blank space of paper for approximately one horizontal ribbon length across the top of the page). Gently press the left edge into the glue to make it stick.

4. Add another ribbon, parallel to the first one, below it. Continue until you reach the bottom of the paper or cardboard. It is not necessary for each ribbon to be pressed up against the next. Leave a small space in between. This will help when weaving.

5. Place a second line of glue on the paper. This should be at the top of the paper in the empty horizontal space.

6. Have your child lay the remaining ribbon in vertical rows starting at the top of the paper. Gently press the tops of each piece of ribbon into the glue.

7. When the glue is dry, have your child begin weaving the ribbon. Starting at the top left of the paper, he can thread the top horizontal ribbon under the first vertical ribbon, over the second, and so on.

8. Once finished, place a small amount of glue on the craft stick. Reach the craft stick (gently) under the ribbon pattern weave and spread on the paper base. Remove the craft stick and gently press the weave down. The edges can be glued simply by creating lines of glue directly onto the paper.





Grade 4

Be a Master Chef.

01. Prepare an attractive 'Recipe Book' sharing healthy nutritious dishes. (Any 5)

02. Mention the ingredients and nutritional value and method of preparation.

03. Paste the related pictures.

04. Design a daily schedule of exercise/workout. Make a minimum 2 minute video/week and save.

05. Plant vegetables of your choice to develop a kitchen garden and share the pictorial evidence.

- Find information on any two of the following topics and write it on A4 sheets. Paste some suitable pictures also.
- Write about the main causes of increasing air pollution in our country.
- Suggest a few measures to decrease air pollution in your locality. Keep a weekly record of it.

06. Gather information about the disease, COVID-19. How can it be prevented?

07. What is global warming? What are the causes and effects of global warming? What is the role of greenhouse gases in global warming?

08. Find out the methods and ways of controlling noise.

09. Draw and label the structure of ear and describe the function of its different parts.

10. Resources(websites)

www.ducksters.com/science/hearing_and_the_ear.php

wikipedia.org/wiki/Phases_of_the_Moon

11. 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 pumpkin 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.

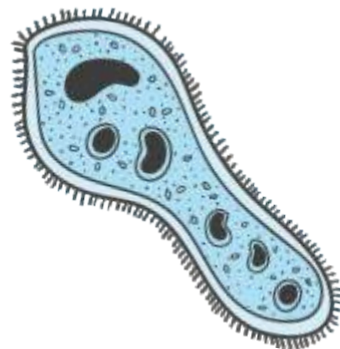
12. Make different phases of moon on a chart paper and label them properly.

1. Answer the following questions.

- a) Name the nutrients found in your today's meal.
- b) Why do we need to eat balanced diet?
- c) Differentiate between bio-degradable and non- biodegradable wastes. Why bio-degradable waste is easy to handle as compared to non- biodegradable waste?
- d) What is pollution? Write any two ways of prevention from environmental pollution.

2. Give reasons to support the following statements.

- a) Recycling is important.
- b) Vitamins and minerals are called protective foods.



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.



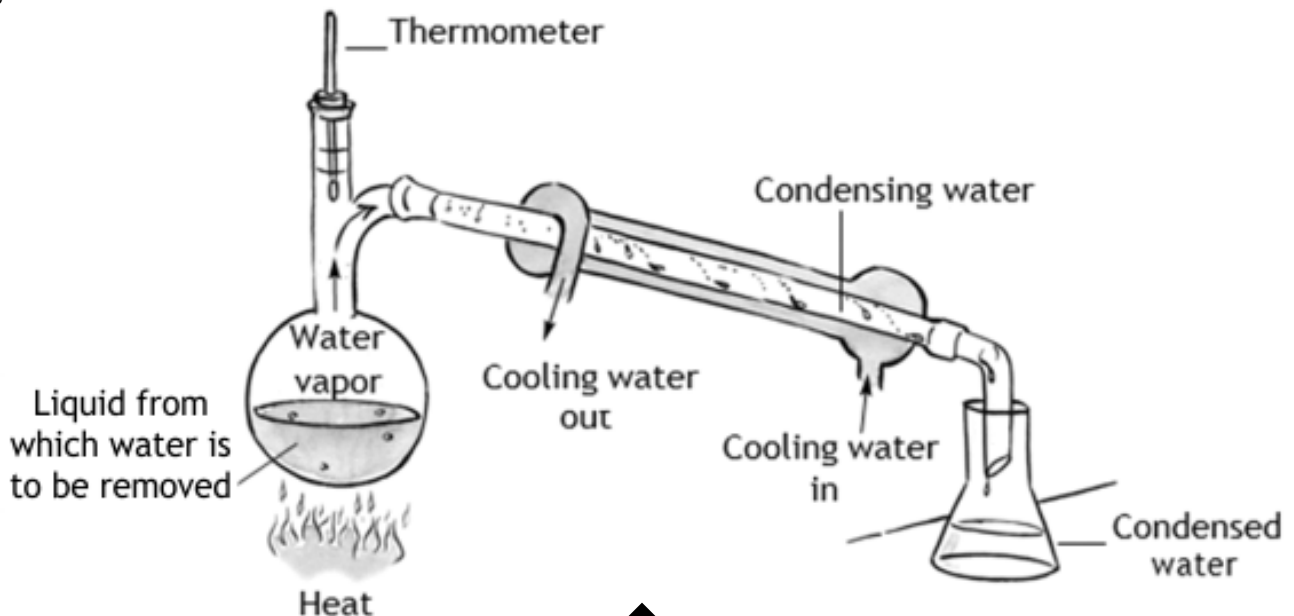
Which fertilizer should Rosa use for her plants? Explain.

EVAPORATION AND CONDENSATION

Background Knowledge

Condensers are devices that turn gases into liquids by cooling the gas quickly. You can find condensers in many places, such as air conditioners, power stations, and laboratories. A condenser can change water vapor to a liquid. The water vapor comes in contact with a cold surface and condenses back into liquid water. It is important to keep the surface cold. The surface normally gets heated by the vapor and so becomes less efficient.

In a laboratory condenser, this warming up is prevented by placing the cold surface inside a jacket of cold, flowing water.



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.

A BURNING 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).

Science Activity

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 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.



Search and compare the diabetes and Blood Pressure in terms of:

- Symptoms
- Treatment
- Prevention

Answer these questions on A-4 Sheets.

- a. Why technology is important for us?
- b. In your opinion why organic manure is good to use?
- c. Why do you think bio- gas is better than other gases?
- d. Why food items remain fresh for a long period of time in refrigerator?

Grade 6

Activities: Search and Do it yourself.

1. Search and write a detailed account of two pages on A-4 entitled, "The Use of Acids and Alkalis in Our everyday life".
2. Make a 3-D model of the structure of Earth showing Crust, Mantle, Outer core and Inner Core.
3. Write how measurements are applicable in our daily lives? Write in detail about at least five different types of measurement units we use in our day-to-day life activities.
4. Compare different metals and non-metals in terms of their properties and uses by making a colourful poster.
5. Make a clay model showing important organs of the Human body from different Human Body Systems.

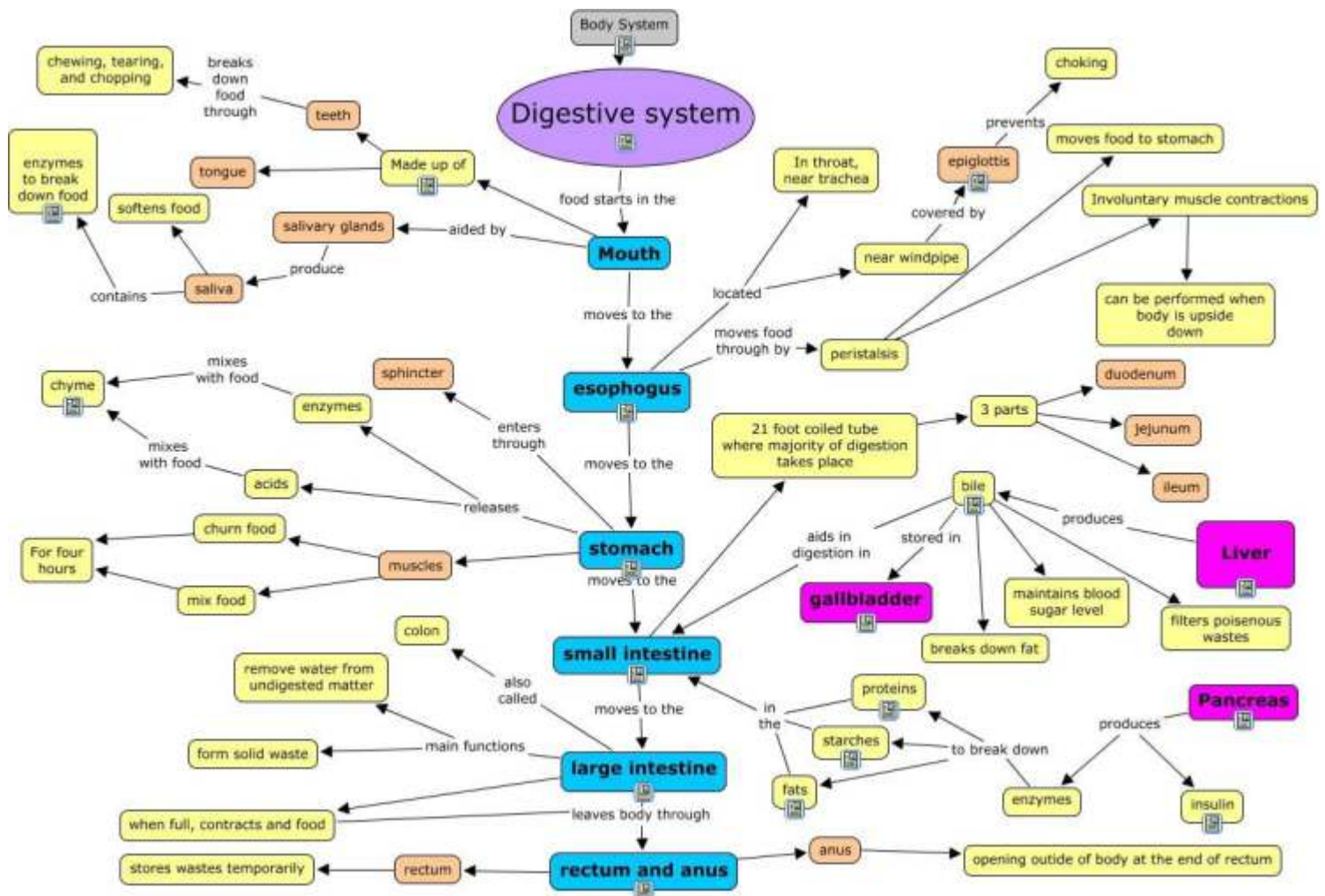
Grade 7

I. Sign-up at www.kahoot.com and play game of the following topics. Don't forget to save your scoreboard as same will be required to produce in evidence of your learning once the school reopens.

- a. The particle theory
- b. Elements and atoms

Link: create.kahoot.it/search?query=Science&topics=7%2C8

II. 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/>

- Photosynthesis
- The circulatory system
- Elements, atoms and compounds

III. Produce 3-D models depicting the mentioned concepts.

- Chemistry in everyday life
- Rainbow formation

IV. Explore the site <https://www.bbc.co.uk/bitesize/subjects/z4882hv> 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 (<https://www.bbc.co.uk/bitesize/subjects/zh2xsbk>)
- Practice all the relevant questions from the Past Paper booklets from the chapter 1 How plants

grow

till Chapter 5 The respiratory System.

Grade 8

Create mind maps of the given topics, linking 7-10 relevant ideas, employing the following site. <https://www.mindmeister.com/>

- Photosynthesis
- The circulatory system
- Elements, atoms and compounds

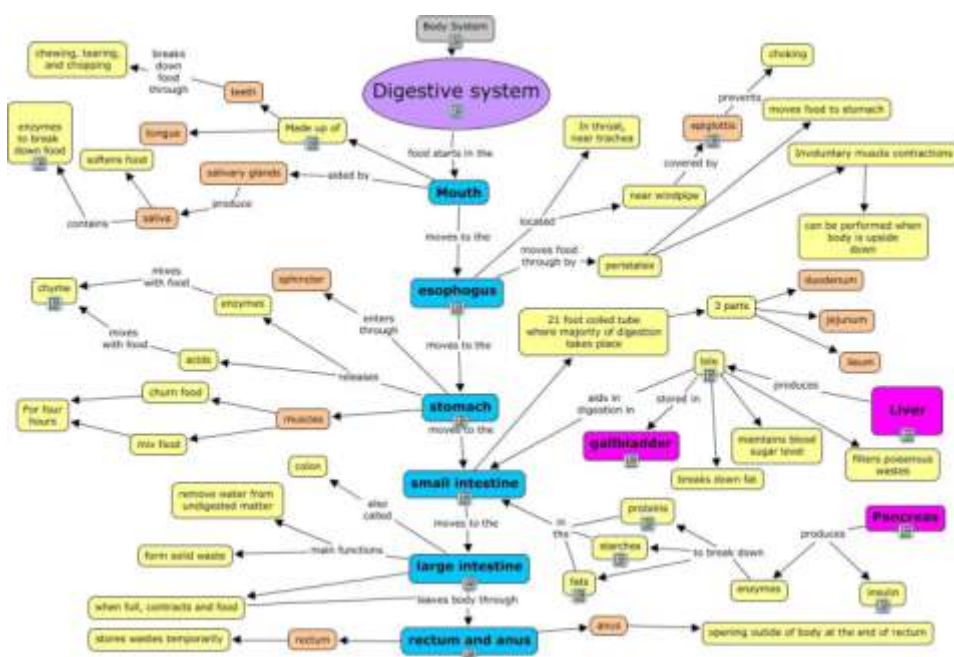
III. Produce 3-D models depicting the mentioned concepts.

- Chemistry in everyday life
- Rainbow formation

IV. Explore the site <https://www.bbc.co.uk/bitesize/subjects/z4882hv> 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 (<https://www.bbc.co.uk/bitesize/subjects/zh2xsbk>)

d. Practice all the relevant questions from the Past Paper booklets from the chapter 1 How plants grow till Chapter 5 The respiratory System.



Create mind maps of the given topics, linking 7-10 relevant ideas, employing the site.
<https://www.mindmeister.com/>

- d. Photosynthesis
- e. Reproduction in flowering plants
- f. Adapting to a habitat

VI. Produce 3-D models depicting the mentioned concepts.

- a. Pressure
- b. Density

VII. Practice the following past papers from the past paper booklet.

2018,2019,2020 (Relevant questions only)

VIII. Explore the site <https://www.bbc.co.uk/bitesize/subjects/z4882hv> 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.

- a. Ecosystems
- b. Inheritance and genetics
- c. Atoms, elements and the periodic table
(<https://www.bbc.co.uk/bitesize/subjects/znxytyrd>)





INFORMATION COMMUNICATION TECHNOLOGY



Grade 1

Activity 1

Compare the writing on posters and signs around the classroom.

How is it different? Why do you think we use different styles of writing?

A font is a set of printed letters and numbers that look the same. There are lots of different types of fonts.

Look at the following list of fonts.

Which font would you use to write a party invitation?

Which font one would you use for a letter to the head teacher?

Which would you use to advertise the school play or fair?

Fonts take up a different amount of space on a line because of the way they are designed.

If you change the font size you can make them appear the same length on a line.



Type your name 10 times changing the font type and size, each time, you write it.

Which font (type and size) is your favourite?

Which font (type and size) is your talk partner's favourite?

FONTS

Daughter Of Fortune

Raleway

COLLEGIATE

Admission Prints

Athletic Outfit

Astral Sisters

Playfair Display

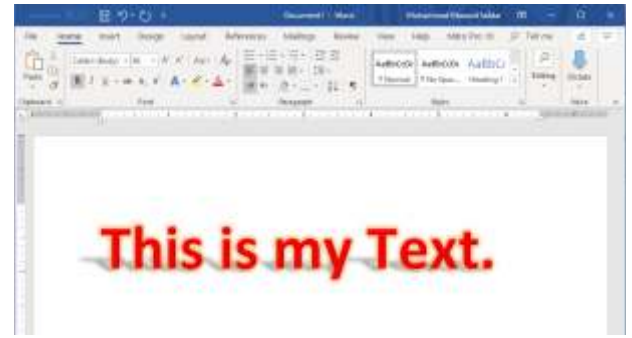
Activity 2

What is WordArt?

WordArt turns words into graphics.

There are lots of designs to choose from.

All you need to do is choose/select the WordArt icon on your toolbar. Then choose a design, add the text or word and the computer does the rest!



You can choose font, colour, size and style.

Once you have chosen your WordArt, you can still edit the text or change the appearance by clicking on it and using the tools which will appear in your toolbar.

Create a welcome poster for your classroom door using WordArt.

Grade 2

Activity 1

How do words and letters appear on your computer screen?

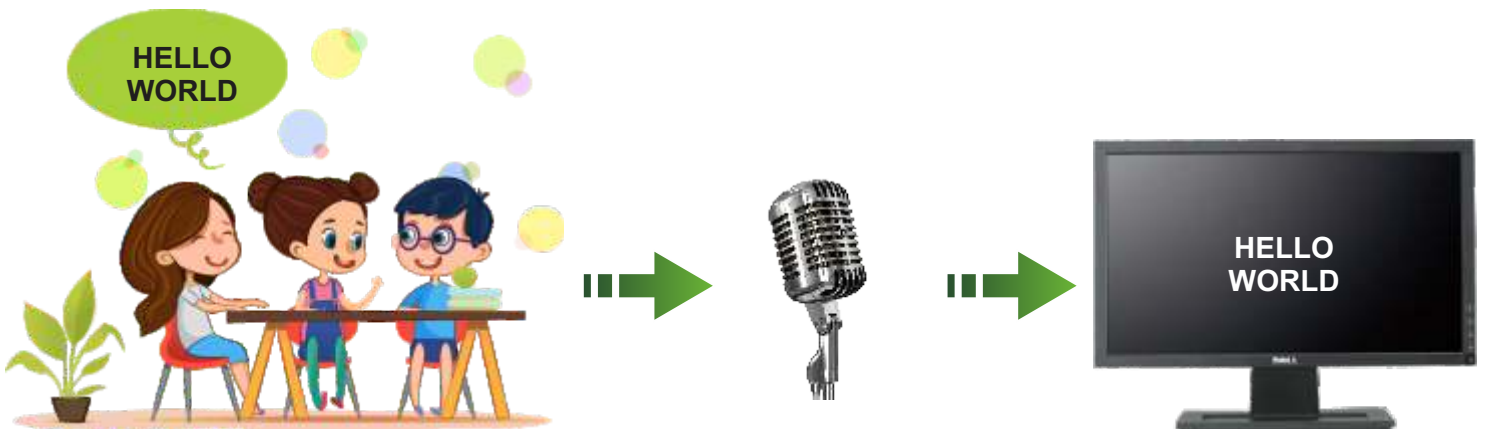
Usually you type them in using a keyboard.

What would you do if you were unable to use your hands?

One option is speech recognition.

The software on the computer turns the sound into text which is displayed on the screen. Then it converts spoken words into text.

The user speaks into a microphone which connects to the computer (or it is a built in the computer).



REMEMBER

to speak slowly and clearly. Does the text on the computer screen match what you said?

Activity 2

Picture Gallery

Task 1

- Take Pictures of yourself and your grandparents through a digital camera or a mobile phone.
- Upload your images on the computer
- Use design software to manipulate (Change your Images)
- Which is your favourite effect?
- Can you make your photograph look like a drawing?
- Add a frame and caption to your photographs by using Microsoft Word Art feature.



Road Safety Guide

Task 2

What are some ways to inform or guide people about some rules and regulations about road safety? One way is to make a **Road Safety Guide about the rules or safety measures**. Do you know how to cross the road safely? Have you ever seen a Road Safety Guide? What information did it have? how did it look like?

Design a Road Safety Guide for road safety measures.

BE A ROAD SMART KID

Always

- 01 Stop
- 02 Look
- 03 Listen
- 04 Think

Before Crossing the Road

- STOP one step back from the kerb or shoulder of the road if there is no footpath
- LOOK in all directions for approaching traffic
- LISTEN in all directions for approaching traffic
- THINK about whether it is safe to cross the road

Zebra Crossing Street crossing where pedestrians have right of way; often marked in some way (especially with diagonal stripes).

Bike Safety Always wear a helmet when riding a bicycle, or other wheeled toys such as skateboards and scooters.

Use Seat Belts Must use seat belts when traveling as a passenger in a car and must not distract the driver by being noisy or playing up.

Road Signs

Choose safe places to cross
Choose a safe place to cross in traffic.

Activity 1

Look at the way the word “Explorers” is written in the examples below and discuss the differences with the person next to you.

Explorers

Explorers

Explorers

Explorers

Explorers

Explorers

The word has been written using different styles.

A style is a way of changing the appearance of a font and there are three main styles:

Italics - where the letters slant to the right,

Bold - where the letters are thicker and stand out more and

Underscored - where there is a line under the text.

Fonts can be displayed in any one of these, or in their combinations:

This is Arial font in bold and italics.

This is Times New Roman that has been underscored.

This is Verdana in bold, italics and underscored.

Fonts can also be displayed in different colours. What do you think about the use of italics and colours in the word Explorers below?

Explorers

1. Program

2. Virus

3. Race look

4. Social Media

5. Windows

6. Linkdin

7. Wi-Fi

8. Skype

9. Whatsapp

Now change the style, font, colour and size. Try and make the words stand out. You can even try different combinations of style, font, colour and size in the same word.

CAN YOU THINK OF ANOTHER WORD?

YOUR FAVOURITE FONT WITH THE CLASS.



Activity 2

Work with a friend and create a PowerPoint presentation about your hobbies outside school (pick one hobby each). It could be swimming, dancing, playing a musical instrument, baking, reading... whatever you like to do!



The presentation should have two slides.

Use WordArt and different fonts to make it bright and interesting.

Include one hyperlink. e.g if your hobby is baking it could be a link to your favourite recipe, or if you like to dance it could link to a clip of music you like to dance to.

Grade 5

Activity 1

What did you do this morning before you arrived at school?



Look at the activities below and circle the ones you performed.

Have a
Drink

Put on
clothes

Get up

Had
Breakfast

Travel to
school

Put on
shoes

Walked to
school

Brushed
hair

Arrival at
school

Brushed
teeth

Had a
wash

Put on
a coat

Now write them down in the order you did them:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

An algorithm is a list of actions that shows a process.

Show your algorithm to your classmate and compare the steps you took.

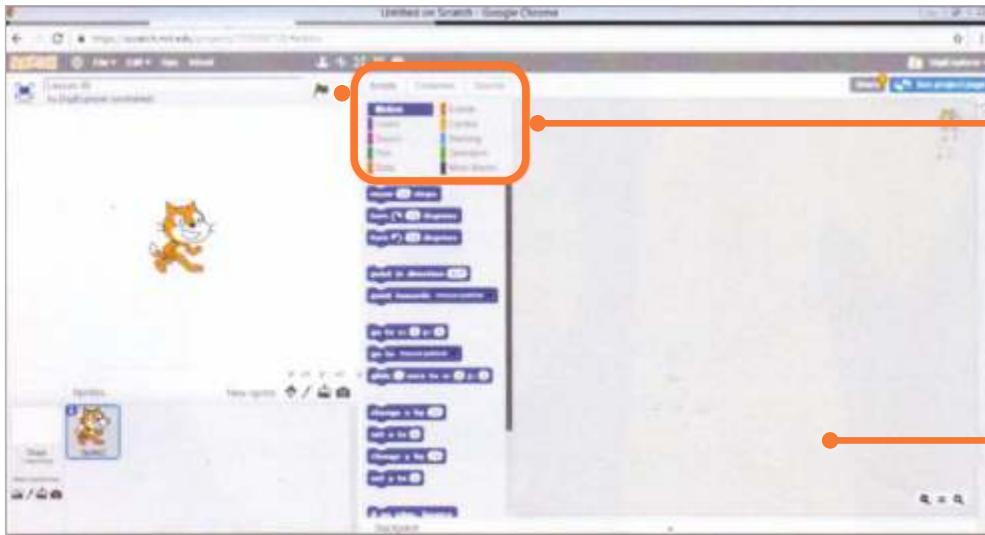
Algorithms can be different, but still arrive at the same end result; here that is getting to school.

Activity 2

Writing code can be great fun. You can even create your own computer games!

We are going to use a programming environment called Scratch.

The little cat you see is called Sprite.



We are going to use these buttons to make the sprite move, use speech bubbles and say meow.

This is called the script area.

Let's try programming the sprite!

Click on the **Events** button.

Every program starts with



Each of the items you can use is called a command. You simply need to click them and drag them into the script area.

Drag a start command into the scripts area.

Click on the **Looks** button.

There are two 'say' commands - one says say **Hello! for 2 secs**, the other just says **say Hello!**

Drag **say Hello!** into the scripts area. Click on the white box and change the text to **Hello World!**

Click on the **Sound** button and drag the **play sound meow until done** command into the scripts area.

Finally, select the **Control** button and drag **stop all** into the scripts area.

Make sure the commands are linked together.

Well done! You have programmed the sprite!

Click on the green flag and watch the sprite perform.

Activity 3

Now let's add some more things to the Sprite to do!

Go into sounds and select the following prompts:

set instrument to 1

play note 60 for 0.5 beats

You can click on the white boxes and change the note and the length of the beat:

play note 62 for 0.5 beats

play note 64 for 0.5 beats



Use the rest of the lesson to play with your sprite and see what you can make it do.

Remember to save your program.

Activity 1

The following is a list of information people have shared online.

Work with another student and decide what should or should not be shared.

For each item answer YES, NO, or SOMETIMES. For any items where the answer is 'NO' or 'SOMETIMES', explain why, in a sentence or two.

Would you share the information?

Item	Yes/No/Sometimes	Why?
Full name		
Nickname		
School name		
Home address		
Email address		
Phone number		
Date of birth		
Current location		
Clues to a future location		
Gender		
Bank details		
Social plans		
Photos or videos		
Passwords		
Passwords hints		
Dates you are away on holiday		

What could happen if you have made your account private and secure, but your friends' accounts are not private and secure?



Activity 2

There are lots of things you can do online where you might need to share personal information.

You will now find out about one of the following categories.

Online shopping

Online banking

Online auctions

Use a search engine to find a site in the category, your group has been assigned.

1. Name the site



2. What do they do?

3. Can you use the site without creating a user account?

4. What payment methods can you use on this site?

5. Does the site say anything about online security? Write down up to two facts.

Based on the search results from Activity 1 create an A3 size poster to share with the class, including:

- ◆ Name of the site
- ◆ What they do
- ◆ What payment methods they accept
- ◆ One other fact about online payment security

Grade 7

Activity 1

In this activity we will be looking at security threats when working online and how to make our online experience as secure as possible.

Have you ever plugged a USB device from an unknown source into your computer?

Hopefully the answer is “No”. A USB stick may contain a virus or other malicious software!

Have you ever shared a password?

What are the risks when you share a password? Why should you NEVER share a password?

What is the format for passwords at your school? Many organisations use a similar format: 8 characters including at least one capital letter, one number and one symbol.

Why do you think so many organisations use this format?

Why shouldn't you use your name or date of birth in a password?

A weak password is one that others could easily guess, for example family names or information someone could guess from posts on social media. A password is considered weak if it is less than 8 characters long, written in one case and does not contain numbers or symbols.

How can we make a password as strong as possible?

How do we do this?

By using alternative characters or symbols to those you might expect. Let's have a look at an example.

By being creative with a word or phrase you find easy to remember.



Activity 2

Consider the following password:

Aliya2023

It is more than 8 characters long and contains numbers and a capital letter. Apart from a symbol, it contains almost all the requirements of a strong password.

How can we make it stronger?

Consider this:

A@Liya2023

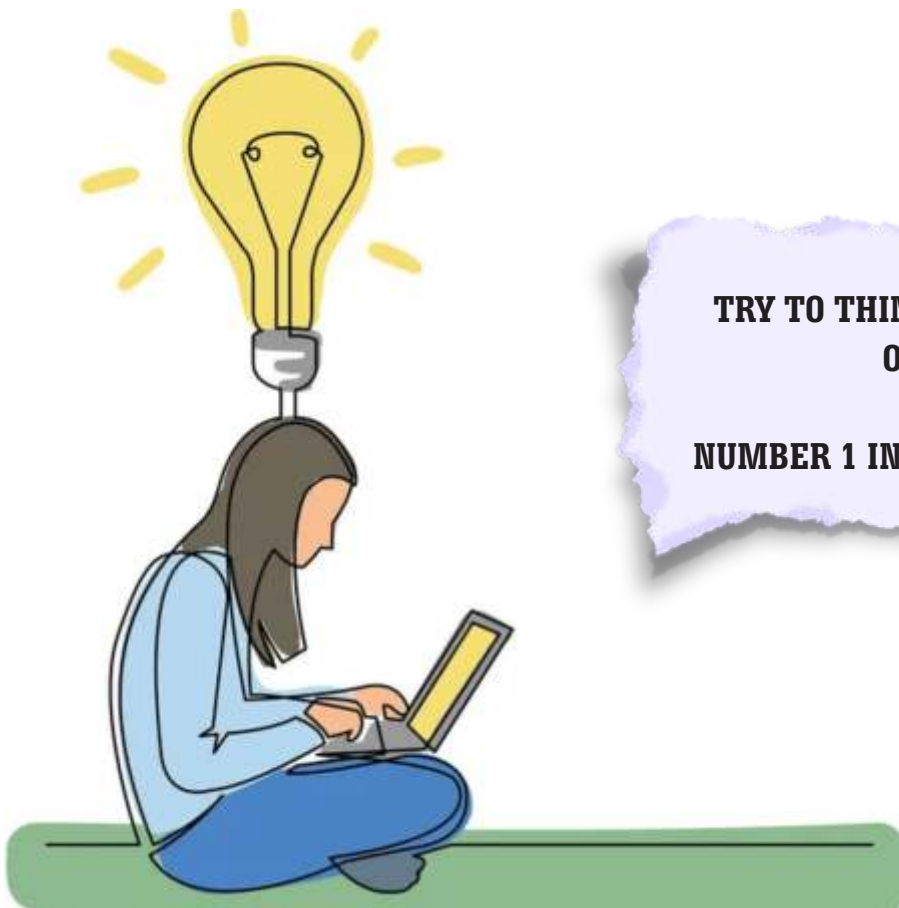
In this example, the @ symbol has been used to represent a lower case 'a'.

A capital L replaces a lower case one.

One of the zeros in 2023 is a lowercase 'o' - it could just as easily be an upper case 'O' rather than a zero (0).

How many variations can you make from Aliya 2023 (using symbols, capitals and numbers) but still having the basic password of Aliya2023?

Make sure you use at least 1 capital, 1 number and 1 symbol.



**TRY TO THINK OF ALTERNATIVE NUMBERS
OR LETTERS TO USE,
FOR EXAMPLE
NUMBER 1 INSTEAD OF I, OR Z INSTEAD OF 2.**

An algorithm is simply a set of rules or instructions that are followed in order to solve a problem. The problem was that we wanted a hot cup of tea. The algorithm broke down the solution into individual actions. There will be times when the order of actions is important and there will be times when it does not matter.

There are two common visual ways showing how a problem can be solved.

One is to use pseudocode.

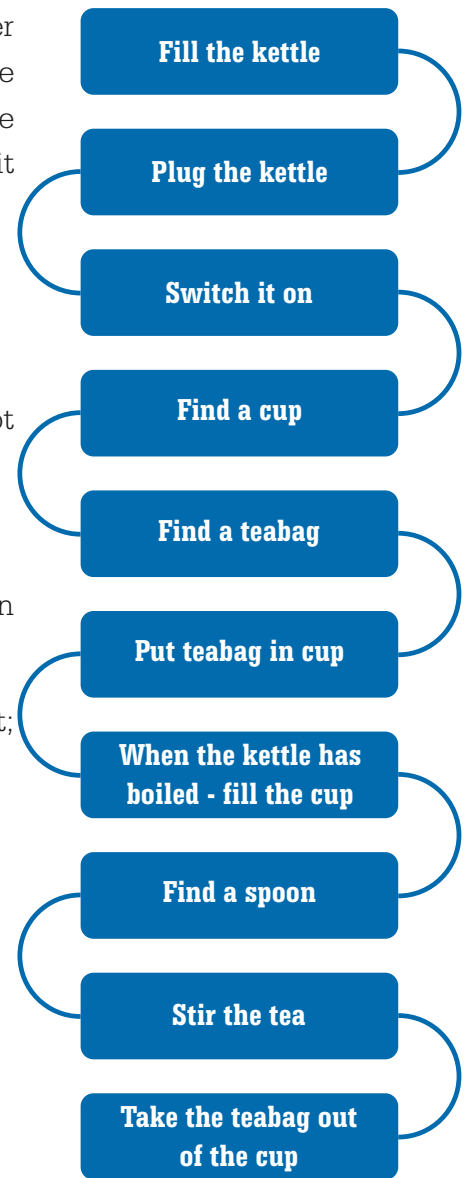
Pseudocode is a list of instructions written in standard notation i.e. not programming language, as shown above in Versions A and B.

Each instruction is written in standard English.

The alternative to pseudocode is to draw a flowchart like the example on right. The boxes on the chart represent each action in the process.

The processes are exactly the same in the pseudocode and the flowchart; the only difference is the way in which the information is displayed.

Which is more efficient, Version A or B? Why?



Activity 2

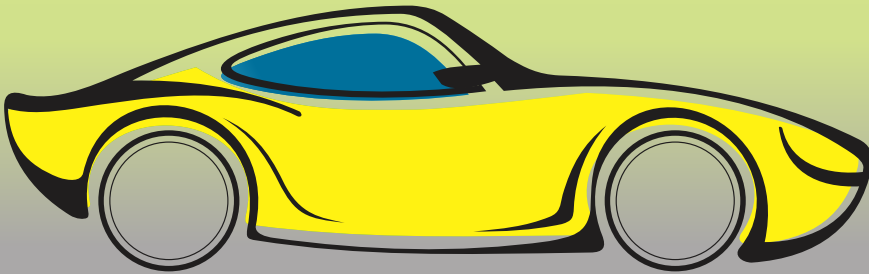
Write the pseudocode for the following activities. The final step in each case should be "output to screen".

Find the average (mean) of five numbers.

Calculate the cost of a car journey.

Hey! What's our mean?

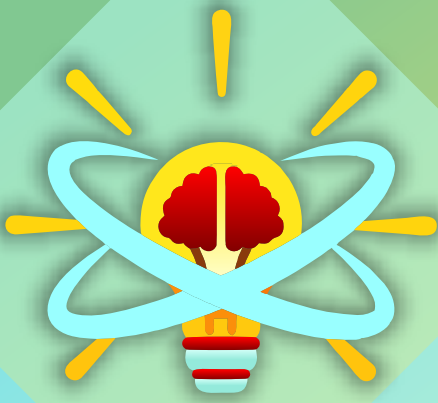
1 2 3 4 5 6 7



**LET'S
CHECK
TOGETHER**

Share your solutions with another student.
Did you both solve the problem in the same way?
What was different?





GENERAL KNOWLEDGE

Grade 1

1. Read the story and name the sense organs that the underlined words remind you of:-
Red Riding Hood was going to see her grandmother. She carried some tasty snacks for her. She also had a soft scarf which her mother had knitted for granny. As Red Riding Hood walked through the forest she could hear birds singing. She could also smell the lovely flowers.

a. _____

b. _____

c. _____

d. _____

2. Guess and draw which part of the body am I:-

a) I am made of bones and muscles. I help you run in the playground. I have ten toes

_____.

b) I am black and white but I help you see the beautiful colours of the world

_____.

c) I come in pairs and enjoy listening to music _____.

d) I stand alone in the middle of your face. I like the fragrance of flowers.

3. Parents must read the following link about “34 Essential Good Habits For Kids That Parents Must Teach” from www.babygogo.in/good-habits-for-kids/

4. Prepare a good habit chart.

5. Cut and paste a few pictures showing good habits from different magazines or story books and paste them in the activity book.

A	B	C	D

6. Theme unit-Unit-4: Human Body

Lesson-6	My body	pg-34
Lesson-7	Our needs	pg-39
Lesson-8	Keeping fit	pg- 45
Lesson-9	Safety	pg- 50
Lesson-10	Good habits	pg-57

Vocabulary Focused:

Head, eyes, ears, arms, mouth, teeth, tongue, lips, cheeks, chin, forehead, head, arms, legs, food, eat, drink, healthy, safe, dirty, strong, hungry, tired, posture, sit, stand, straight, safe, accident, dangerous, first aid

7. Search answer for these:

a) What do you see in the sky during daytime?

b) In what type of surroundings should we stay?

c) In what directions does the sun rise and set?

8. Fill in the blanks with the correct option.

- a) People enjoy swimming on a _____ day. (rainy/hot)
- b) Cloudy days are mostly _____. (cool/hot)
- c) _____ is used to put out fire. (air/water)
- d) We should store water in _____ containers. (dirty/clean)
- e) Moving air is called _____. (wind/sail)

9. Draw and colour the five sense organs.

10. What are sense organs? Write any three ways that help us take care of our eyes.

11. Make a list of the clothes in your cupboard. Write down in front of each the name of the seasons you wear them in.

12. Draw yourself and name all the body parts and their functions.

13. Find out what the following animals and birds eat. Bear, crow, squirrel, sparrow, mouse

14. Collect two pictures of animals that live on land, in water and fly in the sky. Paste them in your notebook.

15. Draw a fruit basket. In the fruit basket draw and colour the fruits that you like.

16. Collect leaves of different plants. Paste them in your notebook. Write the size and colour below each leaf.

17. Collect two pictures of living and non-living things from old newspapers and magazines and paste them in your notebook.

18. Visit a park. Write what you like about it. What would you change?

19. Draw a picture that helps to keep the world clean.

20. Write 5 sentence about traffic rules.

Grade 2

Visit a park in your area and collect the following information.

a) Write names of five herbs and trees along with their usefulness in everyday life.

b) Meet people in the park and make them aware of the importance of conserving trees. Make pamphlets and distribute them.

(Keep the evidence of your visit, awareness talk and pamphlet).

Write top 10 interesting facts about “Magnets and springs”

www.theschoolrun.com/homework-help/magnets

www.theschoolrun.com/science/materials



Prepare a fact sheet or chart for each fact.

- (a) Explain why has a mattress got springs inside? What happens to a spring if you push on a spring?
- (b) Find out what happens when you stretch elastic bands by different amounts?
- (c) Collect different types of rocks. Explain their texture and name the minerals present in it.
- (d) Collect different materials and write their properties in front of it.
- (e) Take two magnets and predict when they attract or repel.
- (f) Collect different materials that are transparent opaque and translucent objects and find the differences between them.
- (g) Find those materials around you which make shadows and also write their names in your notebook.
- (h) Make a 3D chart of a village of Pakistan.
- (i) Write 10 lines about Abdul Sattar Edhi.

Grade 3

1. Make a flyer on “My Earth, My Duty” to contribute to public awareness, on the ways to save Earth.
2. Draw a skeleton on a chart paper and label all the bones that we have discussed in the class.
3. Make list of 10 vertebrates and invertebrates by using any book or internet.
4. Draw and write about any 3 habitats on a chart paper.
5. Draw a food chain on A4 page. And name the producer, consumer, prey and predator.
6. Separate the mixture of sand and marbles by using a sieve and note your observations.
7. Write 5 names of thermal insulators and thermal conductors.
8. 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)
9. Make a list of ten goods and ten services.
10. Write down the do's and don'ts of a classroom and also write five ways in which you can show kindness to others.
11. Note down the important points on a paper, describing what is needed to make circuits.

Resources

- <https://www.youtube.com/watch?v=PNDRIicw4E0>
- https://www.youtube.com/watch?v=fo_pmp5rtzo
- <https://www.youtube.com/watch?v=VnnpLaKsqGU>

12. Make a model of a sundial (refer the given link-www.arvindguptatoys.com/toys/make_your_own_sundial.html) and attempt the worksheet based on the same.

13. Library / Internet/ Newspaper Based Task:

(Theme- Adaptations in Living organism): Select any one animal of your choice and collect information on its adaptation to survive in a particular habitat. (To be done in activity notebook)

* Note:

- Animal selected should be different from the ones given in the textbook.
- Your information should include:
 - Habitat of the animal
 - Places found (to be shown on a relevant map)
 - Adaptive features of the animal
 - Any danger/ threat faced by the animal due to climate change/ ecological imbalance.
 - Paste pictures of soluble and insoluble things. (two each)
 - Draw the picture of our home planet and show the five layers of atmosphere.

SOCIAL STUDIES

Grade 4

Task 1:

- ◆ Make a 3D model of your house.

Task 2:

- ◆ Make a guiding map of your colony on chart paper.

Task 3:

- ◆ Record the temperature of morning and night for the whole month of July and make a graph.

Task 4:

- ◆ Search the history of Mughal Emperors. Collect information and pictures. Paste them in a booklet along with the information collected.

Grade 5

Q.1 Draw flags of 20 countries.

Q.2 Create a booklet of at least 5 facts about each continent. Students can also add few colourful pictures of continents, famous landmarks, largest country, rivers, famous crops, etc.

Q.3 Imagine you can go back in time to 1947 and that you have to leave the home where your family has always lived. People of many regions lived there, side by side, peacefully, but now they have started fighting. Roads and trains are crowded. Write a Diary entry for 14th August 1947.

ASIA



Size/Area:
Number of Countries:
Population:
Highest Point:
Place with Most People:
Climate:
Top Landmarks:
Natural Resources:
Nearby Oceans:



History & Geography



HISTORY

Grade 6

- Q1. Research about the famous buildings of Mughal Era and prepare a booklet giving details of each building.
- Q2. Construct a timeline of all the rulers of Delhi Sultanate.

Grade 7

- ◆ Write a research paper on Adolf Hitler's role in World War II. Please refer to unit 9 of your textbook.

GEOGRAPHY

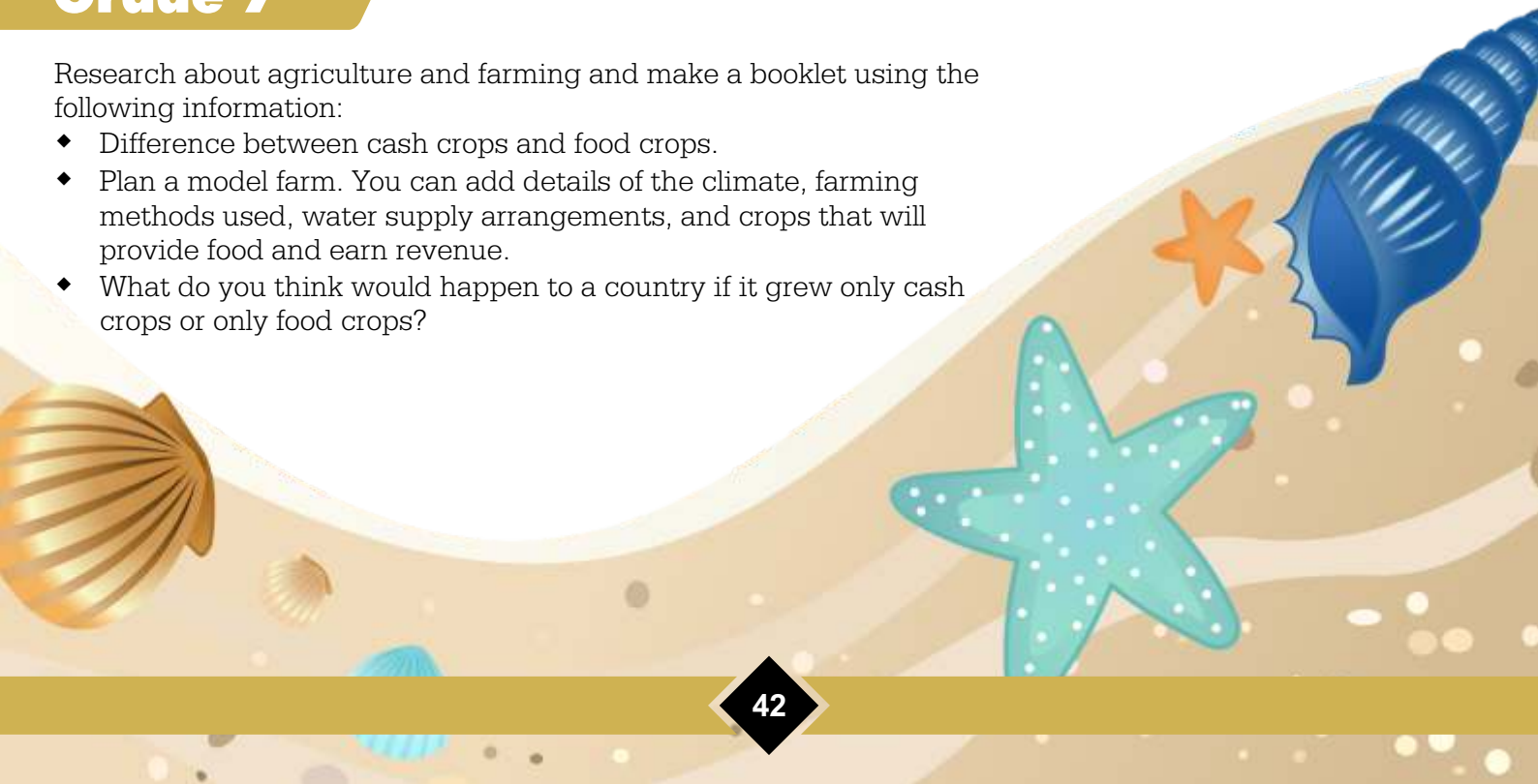
Grade 6

- Q1. Create a booklet about some nomadic cultures of the world.
- Q2. Make a poster related to the importance of rivers. You may include facts about the threats they face and what can we do to help. Remember to give your poster an eye-catching title.

Grade 7

Research about agriculture and farming and make a booklet using the following information:

- ◆ Difference between cash crops and food crops.
- ◆ Plan a model farm. You can add details of the climate, farming methods used, water supply arrangements, and crops that will provide food and earn revenue.
- ◆ What do you think would happen to a country if it grew only cash crops or only food crops?



Islamiat

Grade 1

- ◆ Reinforce Tawwuuz, Tasmiyya, Sana with translation.
- ◆ Reinforce First and Second Kalimas with translation
- ◆ Reinforce recitation of Surah Ikhlas and Surah Al-Asr
- ◆ Reinforce the belief in Allah, His Prophets, His Books, and His Angels.

Grade 2

- ◆ Reinforce First, Second and Third Kalimas 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

Grade 3

- ◆ Reinforce First, Second, Third and Fourth Kalimas with translation
- ◆ Reinforce recitation of Surah Al-Falaq
- ◆ On A4 sheet write:
 1. Good deeds that we should do more
 2. Bad deeds that we should stop doing
 3. Your favourite good deeds



Grade 4

- ◆ Reinforce First Five Kalimas with translation
- ◆ 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

- a) Month in which the Holy Quran's revelation started
- b) To whom the Holy Quran was revealed
- c) Language of the Holy Quran
- d) Number of Surahs
- e) Number of "Paaras"

Grade 5

- ◆ Reinforce First Six Kalimas with translation
- ◆ Reinforce Duas for entering and leaving the Masjid
- ◆ 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 "Paras" in the Holy Quran
- ◆ Shortest Surah of the Holy Quran
- ◆ Name of Surah of the Holy Quran which starts without "Tasmia"
- ◆ 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



۱۔ مندرجہ ذیل تفہیمات کی بلند خوانی کر کے ان کے خلاصے لکھیے۔

۱۔ تفہیم صفحہ نمبر ۳۹
۲۔ تفہیم صفحہ نمبر ۸۱، ۸۰

۲۔ نظم ”مرد، مسلمان“ کی بلند خوانی کے خلاصہ لکھیے۔

☆ مضامین: ۱۔ فارغ وقت کا ایک مفید مشغلہ ۲۔ انگریزی زبان کی مقبولیت کا ہماری مادری زبان پر اثر

۳۔ تاریخی مقامات کی حفاظت کیوں ضروری ہے؟ ۴۔ زیادہ آبادی کی وجہ سے شہری زندگی کن مسائل سے دوچار ہے؟

☆ دو ایسی سبق آموز کہانیاں لکھیے جن میں ضرب المثل اور محاورات کا زیادہ سے زیادہ استعمال ہو۔

☆ مندرجہ ذیل اخباری تراشوں پر تبصرہ لکھیے۔

نایاب پرندے سمگل کرنے کی کوشش

(۲)

بد نظمی کے باعث ایبٹوبینس ٹریفک میں پھنسی رہیں، متعدد بیمار افراد کی حالت خراب

(۱)

ریجنرز نے نایاب پرندے سمگل کرنے کی کوشش ناکام بنا دی۔ پاکستان ریجنرز (سندھ) کی جانب سے کسٹم حکام کو اسمگلنگ کی روک تھام میں تعاون فراہم کرنے کے لیے حب پوسٹ پر چیکنگ کے دوران نایاب نسل کے پرندوں کی اسمگلنگ کی کوشش ناکام بنا دی گئی۔ پاکستان ریجنرز (سندھ) کے اعلامیہ کے مطابق کوئٹہ سے کراچی آنے والی ایک مسافر کوچ کی تلاشی کے دوران نایاب نسل کے آٹھ باز برآمد کیے گئے جن کی مالیت تقریباً ۱۲ ملین ہے۔

لاہور (سپیشل رپورٹر) ہائیکورٹ چوک میں ہنگامہ آرائی کے دوران ٹریفک کی بد نظمی کے باعث ریسکیو، ایڈھی اور مختلف ہسپتالوں کی ایبٹوبینس ٹریفک میں پھنسی رہیں اور مسلسل ہارن بجاتی رہیں لیکن دور دور تک ٹریفک جام ہونے کی وجہ سے ان کو راستہ نڈل سکا۔ جس کے باعث متعدد بیمار افراد جو ایبٹوبینس کے ذریعے ہسپتالوں میں جا رہے تھے بے ہوش ہو گئے اور ان کی حالت خراب ہو گئی۔



☆ اسباق کے صفحات: (۱) صفحہ ۱۰۶ آخری سطر سے لے کر صفحہ نمبر ۱۰۷ آخری سطر تک۔ (۲) صفحہ ۱۶۸ (اگلے دن سے پہلے۔) صفحہ ۱۶۹
آخری سطر تک۔ ان عبارات کو پڑھ کر سوالات بنائیے۔

☆ تخلیقی لکھائی:

- ۱۔ نوجوان تعلیم میں کیوں کم دلچسپی لیتے ہیں؟ وہ وجوہات لکھیے جو نوجوانوں کو تعلیم سے دور کرتی ہیں؟
- ۲۔ واضح کیجیے کہ غیر ملکی لباس اور انداز اپنانا کوئی حوصلہ افزا بات نہیں ہے ہماری اپنی تہذیب بہت اعلیٰ ہے؟
- ۳۔ فرض کیجیے کہ آپ کو کسی دوسرے سیارے میں مہمان بن کر جانا پڑتا ہے۔ وہاں آپ کیا کریں گے اور کیا محسوس کریں گے؟
- ۴۔ اپنی پسند کی کسی بھی شخصیت کے بارے میں سوچ کر پہلے شخصی خاکہ بنائیے پھر انٹرنیٹ کی مدد سے تحقیق کر کے ان کے بارے میں ایک کتابچے میں لکھیے۔

☆ مکالمہ: ۱۔ انسان اور درخت کے درمیان یا دو درختوں کے درمیان مکالمہ لکھیے۔

۲۔ ”بھکاریوں کی مدد کرنی چاہیے یا نہیں“ دو دوستوں کے درمیان مکالمہ لکھیے۔

۳۔ سڑک پر کون کون سے عمل نقصان دہ ہو سکتے ہیں اور ان سے کیسے بچا جاسکتا ہے۔ دو دوستوں کے درمیان مکالمہ لکھیے۔

☆ خطوط: ۱۔ غیر ملکی دوست کو اس کی آمد پر انتظامات سے متعلق خط لکھیے۔

۲۔ اپنے علاقے کی خستہ حالی اور اس کی بہتری کے لیے بنائے گئے منصوبے سے اپنے دوست کو آگاہ کیجیے۔

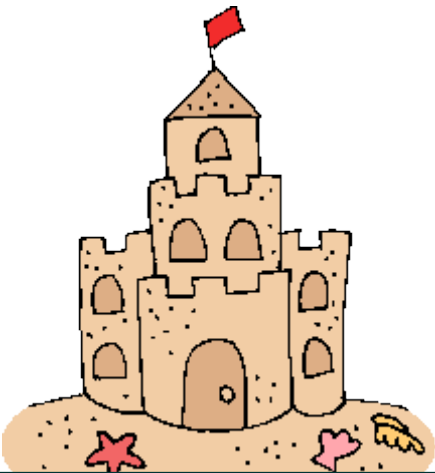
☆ کہانیاں: ذیل میں کہانی کا ابتدائی حصہ دیا گیا ہے آپ اس کی مدد سے ایک مکمل کہانی لکھیے۔ کہانی کا اختتام دلچسپ ہونا چاہیے۔

۱۔ ہمیں ہر کام تحمل اور سکون سے کرنا چاہیے۔ غیر ضروری تیزی اور جلد بازی انسان کو نقصان پہنچاتی ہے۔ اس دن میرے ساتھ بھی یہی کچھ ہوا۔ جلدی اور تیزی کی وجہ سے نہ صرف میں خود مشکل میں پھنس گیا بلکہ میں نے اپنے ابا کو بھی مشکل میں پھنسا دیا۔ کچھ دنوں کی بات ہے کہ:-----

۲۔ صبح سے ہی بہت سردی ہے اور میرے سر میں شدید درد بھی ہے جس کی وجہ سے میں آفس نہیں گیا۔ میں آتش دان کے سامنے بیٹھا ہوں۔ آتش دان میں چولہا جل رہا ہے، اس کی پھٹ پھٹ کی آواز مجھے تنگ کر رہی ہے۔ لیکن میں کیا کروں، اگر میں اسے بند کرتا ہوں تو کمرے میں سردی بڑھ جاتی ہے اور اگر بند نہیں کرتا تو اس کی آواز پریشان کرتی ہے۔-----

۳۔ میں سوچ رہا تھا کہ اس راز میں کس کس کو شامل کروں پھر سوچا کہ-----

☆ مختلف کتابوں میں سے چار فقہیمات بنا کر ان کے سوالات و جوابات لکھیے۔ خلاصہ لکھیے اور پندرہ مشکل الفاظ کے جملے بنائیے۔



چودھویں سے سوٹھویں صدی کے درمیان لکڑی سے بنائی گئی ریل کے آثار جرمنی میں پائے جاتے ہیں۔ اسے موٹے رسوں سے جکڑ کر انسان یا جانور کھینچا کرتے تھے۔ اس کی پٹری پتھروں کو تراش کر بنائی گئی تھی۔

برطانیہ میں ریل سوٹھویں صدی میں وجود میں آئی۔ اس کی ضرورت کو نلے کی کانوں سے شروع ہوئی۔ یہ کو نلے کو کانوں سے کشتیوں تک پہنچانے کے لیے استعمال ہوتی تھی۔ اس طرح کو نلے کی فراہمی دوسرے شہروں میں ممکن ہوئی۔ جوں جوں سائنس نے ترقی کی اس کی پٹری پتھر سے تبدیل ہو کر لوہے کی بن گئی اور ساتھ ہی ساتھ اس کی لمبائی میں بھی اضافہ ہو گیا۔ نہ صرف کو نلوں بلکہ لوگوں کو ایک جگہ سے دوسری جگہ لے جانے میں بھی استعمال ہونے لگی۔ پہلی پبلک ریلوے سرے (Surrey) کے علاقے میں چلی جسے گھوڑے کھینچتے تھے۔

بھاپ سے چلنے والے پہلے انجن نے بالٹی مور میں 21 کلومیٹر کا فاصلہ طے کیا جو رفتہ رفتہ 219 کلومیٹر ہو گیا۔ اس کے باوجود لوگوں کو لمبے سفر کے لیے کئی ٹرینیں بدلنے کی ضرورت پڑتی تھی۔

چند سالوں بعد بجلی سے چلنے والی ٹرین ایجاد ہوئی جو 6 میل فی گھنٹہ کی رفتار سے چلتی تھی۔ لندن اور نیویارک میں اسے مزید فروغ ملا اور ٹرام کا استعمال عام ہو گیا۔ اس زمانے میں یہ سفر کا واحد ذریعہ تھا جو عرصہ دراز تک رائج رہا۔ پھر بسوں اور کاروں کا وجود میں آئیں۔ شہروں کی ترقی کے ساتھ سڑکوں کا جال بچھنے سے ٹرام کی مقبولیت کم ہو گئی اور بسوں اور کاروں کی تعداد میں اضافہ ہونے لگا۔

ایک شہر سے دوسرے شہر سفر کرنے کے لیے ٹرینیں آج بھی مقبول ہیں۔ موجودہ دور میں ٹرین کی رفتار 100 میل فی گھنٹہ سے بھی تجاوز کر رہی ہے۔ لمبا سفر نہ صرف جلد کٹ جاتا ہے بلکہ آرام دہ بھی ہوتا ہے۔ پٹری پر راستہ صاف ملنے کی بنا پر جا بجا ٹریفک کا جھوم اور لال بتیوں کی رکاوٹیں نہیں ملتیں۔ کوچ اور کاروں کے لمبے اور تھکادینے والے سفر سے بھی نجات ملتی ہے۔ ٹرین کا ایک اور فائدہ یہ بھی ہے کہ بسوں اور کاروں کے مقابلے میں کئی سو افراد سامان سمیت اکٹھے سفر کر سکتے ہیں۔ علاوہ ازیں بسوں اور کاروں کے کم استعمال سے ماحول پٹرول اور ڈیزل کی آلودگی سے محفوظ رہتا ہے۔

سوال نمبر ۱۔ تفہیم نمبر ۱ کے سوالات کو پڑھ کر اس عبارت کے سوالات خود بنا کر ان کے جوابات لکھیے۔ ایسے سوالات تخلیق کیجیے جس میں تخلیق کا عنصر پایا جائے۔

سوال نمبر ۲۔ درج بالا عبارت میں سے پندرہ مشکل الفاظ چن کر ان کے جملے بنائیے۔

سوال نمبر ۳۔ اوپر دی گئی عبارت کا خلاصہ لکھیے۔

جماعت ہفتم

☆ ہفتے میں تین بار دوپیرا گراف کی املا کی جائے۔

☆ مضامین: ۱۔ آپ کیسی کتابیں پڑھنا پسند کرتے ہیں اور کیوں۔۔۔ ۲۔ بچوں اور نوجوانوں کے لیے کھیل کیوں ضروری ہیں۔۔۔

۳۔ ٹیلی ویژن کے تعلیمی اور تفریحی فوائد اور نقصانات ۴۔ طلباء میں قومی زبان سے دلچسپی کیوں کم ہوتی جا رہی ہے؟ اس سلسلے میں ہمیں کیا

اقدامات کرنے چاہئیں۔

دور سمندر تک سفر کرتی ہے۔ وہ یہ سفر تقریباً چار سے چھ ماہ میں مکمل کرتی ہے اور پھر اپنے بچے کے ہمراہ واپس اپنی اصل جگہ پر چلی جاتی ہے۔ وہیل کی خوراک کا تعلق اس کی قسم اور اس کے اس ماحول سے ہے جس میں وہ رہتی ہے۔ اسے اپنے ماحول میں اپنے مزاج کے مطابق جو کچھ بھی کھانے کو ملتا ہے کھاتی ہے۔ چھوٹی مچھلیاں، شارک جیسی بڑی مچھلیاں، پینگوئن اور پانی میں رہنے والے دیگر جانور اس کی پسندیدہ خوراک ہیں۔

وہیل دنیا کے تقریباً تمام سمندروں میں پائی جاتی ہے۔ تاہم وہیل کی ایک قسم ”ڈولفن“ دریاؤں میں بھی پائی جاتی ہے۔ وہیل خطرناک یا جنگجو قسم کی مچھلی نہیں تاہم یہ اس وقت چھوٹے سمندری جہازوں پر حملہ آور ہوتی ہے جب وہ اپنے یا اپنے بچوں کے لیے خطرہ محسوس کرتی ہے۔ وہیل کو ایک سست تیراک مچھلی سمجھا جاتا ہے جو عموماً ایک گھنٹے میں تین سے پانچ میل تک کا سفر کر پاتی ہے۔ وہ اپنے گروہ میں رہنا اور اپنا زیادہ وقت اپنے بچوں کے ساتھ بسر کرنا پسند کرتی ہے۔ وہ اپنے بچوں کو اپنے اوپر لٹاتی ہے ان سے کھیلتی ہے اور انہیں اچھلنا اور تیرنا سکھاتی ہے۔ گروہ میں رہتے ہوئے وہیل مختلف آوازوں کے ذریعے ایک دوسرے سے رابطہ رکھتی ہیں۔ یہ آوازیں تقریباً ساٹھ میل دور تک سنی جاسکتی ہیں۔

قدیم زمانے سے ہی انسان مچھلیوں کا شکار کرتا رہا ہے جس میں وہیل بھی شامل ہے۔ وہیل کا شکار گوشت اور چربی کے حصول کے لیے کیا جاتا تھا۔ اس کا گوشت انسانی خوراک میں شامل تھا اور اس کی چربی سے تیل حاصل کیا جاتا تھا جو ایندھن کے طور پر استعمال کیا جاتا تھا۔ ۱۹۷۰ء تک وہیل کا شکار اور مقاصد کے لیے بھی کیا جاتا رہا ہے۔ مثلاً وہیل کی چربی سے بننے والا تیل کا سمیٹکس، کھاد، صابن اور ادویات میں استعمال ہوتا رہا ہے۔ اگرچہ ۱۹۹۰ء میں وہیل کے شکار اور وہیل کی چربی سے بننے والی مصنوعات پر پابندی عائد کر دی گئی تھی لیکن جاپان اور دوسرے کئی ملکوں کے لوگ اب بھی گوشت کے حصول کے لیے وہیل کا شکار کرتے ہیں۔ سمندروں میں کیے جانے والے تجربات اور تیل کے جہازوں سے تیل کے اخراج کا عمل وہیل کے لیے بڑا خطرہ ہیں۔ مختصر یہ کہ وہیل سمندروں کا حُسن اور اللہ تعالیٰ کی تخلیق کا ایک شاہکار ہے جس کا جتنا بھی مطالعہ کیا جائے اور جس پر جتنا بھی لکھا جائے کم ہے۔

درج بالا عبارت پڑھ کر نیچے دیے گئے سوالات کے جوابات لکھیے۔

سوال نمبر ۱۔ عبارت میں وہیل کی بہت سی خصوصیات بتائی گئی ہیں۔ آپ ان خصوصیات کو اپنے الفاظ میں درج ذیل سرخیوں کے مطابق لکھیے۔

س ۱۔ وہیل دوسرے جانوروں سے کس طرح مختلف و منفرد ہے؟

س ۲۔ وہیل کی عادات، پسند و ناپسند، خوبیاں و خامیاں لکھیے۔

س ۳۔ اوپر دی گئی معلومات کے مطابق وہیل کی اقسام بیان کیجیے۔ ان میں سے کون سی وہیل آپ کو اچھی لگی نیز پسندیدگی کی وجہ بھی لکھیے۔ وہ کون سی خاص بات ہے جس نے آپ کو حیران کیا؟

س ۴۔ اس مضمون میں وہ کون سی باتیں ہیں جن سے پتا چلتا ہے کہ مصنف نے ایک مچھلی کے بارے میں معلومات فراہم کرتے ہوئے ربط اور تسلسل کا خیال رکھا ہے؟

س ۵۔ کیا یہ مضمون دلچسپ تھا؟ اگر دلچسپ تھا تو وہ کون سے عناصر تھے جن کی وجہ سے اس میں آپ کے لیے دلچسپی تھی؟ اگر دلچسپ نہیں تو اس مضمون کو دلچسپ بنانے کے لیے مصنف کو کیا کرنا چاہیے تھا؟

سوال نمبر ۲۔ درج بالا عبارت میں سے پندرہ مشکل الفاظ چُن کر ان کے جملے بنائیے۔

سوال نمبر ۳۔ اوپر دی گئی عبارت کا خلاصہ لکھیے۔

☆ فرض کیجیے کہ آپ کو کسی دوسرے دیس میں مہمان بن کر جانا پڑتا ہے۔ وہاں آپ کیا کریں گے اور کیا محسوس کریں گے؟
☆ مفصل انداز میں بتائیے کہ معلومات کے حصول کے لیے کتاب بہتر ہے یا کمپیوٹر؟
☆ پُرانی کہانیوں کو نئے انداز میں لکھیے، مزاحیہ انداز میں بھی لکھ سکتے ہیں۔ بچے خود کوشش کریں۔

۱۔ انگور کھٹے ہیں ۲۔ غرور کا سر نیچا

☆ مضامین: ۱۔ ماحولیاتی آلودگی کے ہماری زندگی پر اثرات اور ان سے چھٹکارا پانے کی تدابیر ۲۔ آج کے دور میں کمپیوٹر ایک بنیادی ضرورت بن چکا ہے کیسے۔۔۔۔۔

۳۔ کیا آپ سمجھتے ہیں کہ جدید ایجادات نے انسان کو سست بنا دیا ہے۔

☆ آپ کو اپنے چچا زاد بھائی کی شادی کی تقریب میں شرکت کے لیے تین دن کی چھٹی چاہیے۔ پرنسپل کے نام درخواست لکھ کر چھٹی طلب کیجیے۔

☆ پرنسپل کے نام درخواست لکھیے جس میں ان سے کسی دوسرے اسکول کی ٹیم کے ساتھ ایک دوستانہ کرکٹ میچ کھیلنے کی اجازت لی جائے۔

☆ تفہیمات: مندرجہ ذیل عبارات پڑھ کر نیچے دیئے گئے سوالات کے جوابات لکھیے۔

تفہیم نمبر ۱

اللہ تعالیٰ نے اس گره ارض کو انواع و اقسام کی مخلوقات سے سجایا ہے۔ ان میں ایک وہیل بھی ہے۔ وہیل اس کرہ ارض کی خوبصورت، پروقار، ذہین اور قدیم مخلوقات میں سے ایک ہے، جو شاید انسان سے بھی پہلے یہاں پر موجود تھی۔ اگرچہ آج وہیل کو مچھلی کی ہی ایک قسم سمجھا جاتا ہے لیکن اگر ہم اس کی تاریخ کا مطالعہ کریں تو ہمیں پتا چلتا ہے کہ وہیل کسی زمانے میں زمین کے دیوہیکل جانوروں میں شمار ہوتی تھی۔ وقت کے ساتھ ساتھ اس میں مختلف تبدیلیاں رونما ہوتی گئیں اور وہ ایک مچھلی بن گئی۔ آج بھی یہ ممالیہ جانوروں میں شمار ہوتی ہے۔ وہیل کو دو بڑے خاندانوں میں تقسیم کیا جاتا ہے، دانتوں والی وہیل اور بغیر دانتوں والی وہیل۔ وہیل کی ۸۰ سے زیادہ اقسام ہیں جن میں ڈولفن، بلو وہیل اور گرے وہیل وغیرہ اہم ہیں۔

بلو وہیل دنیا کا سب سے بڑا جانور ہے۔ کہا جاتا ہے کہ جسامت کے اعتبار سے یہ ڈائینوسارز سے بھی زیادہ بڑی ہوتی ہے۔ اس کا وزن ۱۳۶ ٹن اور لمبائی ایک سو میٹر تک ہو سکتی ہے۔ یعنی ایک وہیل کا وزن دو ہزار انسانوں کے وزن سے بھی زیادہ ہو سکتا ہے۔ لیکن وہیل مچھلی کی دو اقسام Beluga اور Narkamplہ اتنی چھوٹی ہوتی ہیں کہ ان کی لمبائی دس پندرہ میٹر سے زیادہ نہیں ہوتی۔

ایک نیلی وہیل سال میں ایک بچہ پیدا کرتی ہے۔ پیدائش کے وقت بچے کا وزن تقریباً دو ٹن اور لمبائی آٹھ میٹر تک ہو سکتی ہے۔ وہیل شکل و شبہت میں ایک مچھلی ہی ہے لیکن عام مچھلیوں سے کافی حد تک مختلف بھی ہے۔ عام مچھلیوں اور وہیل میں سب سے بڑا فرق تو یہ ہے کہ وہیل انسانوں کی طرح پھیپھڑوں کے ذریعے سانس لیتی ہے۔ اسی طرح باقی مچھلیوں کے برعکس وہیل کے بچے کی پیدائش کا عمل بھی مختلف ہے۔ وہ اپنے بچوں کو دودھ پلاتی ہے جب کہ عام مچھلیاں انڈے دیتی ہیں۔ اس کے علاوہ وہیل اور عام مچھلیوں میں اور بھی کئی جسمانی نوعیت کے فرق ہیں۔ وہیل کی جلد کے نیچے چربی کی ایک موٹی تہہ ہوتی ہے جو اسے ٹھنڈے پانیوں میں بھی زندہ رکھتی ہے۔ چونکہ نوزائیدہ بچے کو گرم پانی کی ضرورت ہوتی ہے اس لیے ٹھنڈے پانیوں میں رہنے والی وہیل بچے کی پیدائش کے لیے دس سے گیارہ ہزار میل

☆ تصویر کے مطابق ایک پیرا گراف لکھیے نیز رموزِ اوقاف (وقفہ)، (سکتہ۔) (سوالیہ؟) کا استعمال کیجیے۔



☆ فرض کیجیے آپ ایک منظر دیکھ رہے ہیں۔ یہ منظر اتنا خوبصورت ہے کہ آپ اس کے بارے میں لکھنے یا ذہن نشین کرنے پر مجبور ہو گئے ہیں۔
نیچے دیے گئے منظر کو دیکھ کر آپ جو کچھ محسوس کر رہے ہیں اُسے اپنے الفاظ میں تحریر کیجیے۔



- بچوں کی کہانی کی پانچ کتابوں کا انتخاب کیجیے اور ان کو اس طرح پڑھیے کہ آپ ان سے متعلق پوچھے گئے سوالات کے جوابات دے سکیں۔
- ۱۔ بتائیے کہانیاں لکھنے والے نے یہ کہانیاں کس مقصد کے تحت لکھی گئی۔
 - ۲۔ ان کہانیوں میں سے ایک اچھے اور ایک بُرے کردار کے مابین موازنہ کیجیے۔
 - ۳۔ آپ چھٹیوں سے لطف اندوز ہو رہے ہوں گے بتائیے کہ آج کل آپ کہاں ہیں؟ آپ کی کیا مصروفیات ہیں؟ کبھی کبھی جب آپ اسکول کو یاد کرتے ہیں تو بتائیے کہ سب سے زیادہ آپ کس چیز کو یاد کرتے ہیں اور اس کی کیا وجہ ہے؟
 - ۴۔ شدید بارش کے دن کچھ دیر کھڑکی سے باہر کے منظر کا مشاہدہ کیجیے اور بتائیے کہ یہ موسم کیسا ہے؟ درخت اور پودے اس میں کیسا محسوس کر رہے ہوں گے؟ پرندوں اور جانوروں کے لیے یہ موسم کیسا ہے؟
 - ۵۔ اگر آپ کو خاندان کے کسی ایسے بزرگ کے ساتھ دن گزارنے کا موقع ملے جو آپ کو بہت پسند ہیں تو آپ یہ دن کیسے گزاریں گے ان سے ان کی زندگی کے بارے میں کیا سوالات کریں گے اور ان کی خدمت کیسے کریں گے؟
 - ۶۔ فرض کیجیے کہ آپ ایک دن کوئی بہت ہی مزے کی چیز بنانے جا رہے ہیں، ترکیب میں کوئی غلطی ہو جاتی ہے اور وہ چیز کچھ اور ہی چیز بن جاتی ہے؟ بتائیے کہ آپ اس کا ذائقہ کیسا چاہ رہے تھے لیکن تبدیل ہونے کے بعد وہ ذائقہ کیسا ہو گیا ہوگا؟ نیز یہ بتائیے کہ گھروالوں نے اس موقع پر آپ کو کیا کہا ہوگا؟
 - ۷۔ تصور کیجیے کہ آپ جنگل میں ہیں اور کچھ جانور آپ کے پاس آ کر آپ سے انسانوں کے بُرے رویے کی شکایت کرتے ہیں آپ ان کی شکایت دور کرنے کے لیے کیا کریں گے۔
 - ۸۔ اردو لکھائی میں نکھار لانے اور ذخیرہ الفاظ میں اضافے کے لیے ہفتے میں تین بار ایک پیرا گراف کی املا کیجیے۔
 - ۹۔ مضمون لکھیے۔

۲۔ عنوان ”آداب معاشرت“

۱۔ عنوان ”نظم و ضبط“

- ☆ اردو لکھائی میں نکھار لانے اور ذخیرہ الفاظ میں اضافے کے لیے ہفتے میں تین مرتبہ ایک پیرا گراف کی املا کیجیے۔
- ☆ درج ذیل کہانی مکمل کیجیے۔ کہانی میں محاورات کا استعمال کیجیے اور سبق آموز اختتام کیجیے۔
- ایک گاؤں میں ایک بوڑھی عورت اپنے بھتیجے کے ساتھ رہتی تھی۔ ایک دن بڑھیا کا بھائی اپنی بیٹی کے ساتھ ان کے ہاں آیا۔ اس نے بتایا کہ وہ

(الف) کہانیوں میں اپنے پسندیدہ کردار کی تصویر بنائیں اور اس کی خوبیوں پر پانچ جملے لکھیے۔

۲۔ چھٹیوں کے دوران اپنے گھر والوں کے ساتھ آپ نے جو کام کیے ان کی تصویر تروائیے۔

کوئی سی چار تصاویر کو اپنی نوٹ بک میں لگا کر یہ لکھیے کہ آپ نے یہ کام کیوں کیے؟ اس سے آپ کو کیا فائدہ ہوا؟

۳۔ مندرجہ ذیل جگہوں کی سیر کیجیے: ۱۔ چڑیا گھر ۲۔ کوئی یادگار مقام ۳۔ بچوں کا پارک

کم از کم آٹھ جملوں میں لکھیے کہ آپ نے وہاں کیا کچھ دیکھا؟ آپ ان جگہوں کی تصویر بھی بنا سکتے ہیں اور وہاں پر کیمرے سے لی گئی اپنی تصویر بھی لگا سکتے ہیں۔

۴۔ اپنے گھر والوں کے ساتھ مل کر کوئی ایک کھانے یا پینے کی چیز بنائیے (مثلاً سینڈوچ، انڈا، ملک شیک، شربت) پھر اس کی ترکیب تحریر کیجیے۔

۵۔ بچوں کی کہانی کی چار کتابیں پڑھیں۔ چار کپ بنائیں ہر کپ میں سیکھے گئے نئے الفاظ لکھیے۔

۶۔ ہر کتاب میں سیکھے گئے چھ نئے الفاظ کو اپنے جملوں میں استعمال کیجیے۔

۷۔ گرمیوں کا موسم دوسرے موسموں سے کس طرح مختلف ہے؟ وہ کون کون سے کام ہیں جو آپ صرف گرمی کے موسم میں کرتے ہیں؟

۸۔ کیا چھٹیوں میں آپ اپنے اسکول کو یاد کرتے ہیں؟ وہ کون کون سی باتیں ہیں جو آپ کو یاد آتی ہیں۔

جماعت چہارم

کہانی کی پانچ کتابوں کا انتخاب کیجیے اور ان کو اس طرح پڑھیے کہ آپ ان سے متعلق پوچھے گئے سوالات کے جوابات دے سکیں۔

۱۔ بتائیے کہانیاں لکھنے والے نے یہ کہانیاں کس مقصد کے تحت لکھی گئی۔

۲۔ ان کہانیوں میں سے ایک اچھے اور ایک بُرے کردار کے مابین موازنہ کیجیے۔

۳۔ اپنے دوست کے نام ایک خط لکھیے جس میں اسے چھٹیوں میں اسے اپنے پسندیدہ کارٹون پروگرام کے بارے میں تفصیل سے بتائیں۔

۴۔ فرض کیجیے کہ ایک دن آپ کو موقع ملتا ہے کہ آپ اپنے پسندیدہ کارٹون کردار کو اپنے گھر بلائیں اور ایک دن اس کے ساتھ گزاریں تو آپ وہ دن کیسے گزاریں گے اور آپ ان سے کیا باتیں کریں گے آپ ان کو کھانے میں کیا کیا پیش کریں گے؟

۵۔ کسی بھی تاریخی مقام کی سیر کو جائیں اور اس کی تاریخ جان کر اس پر ایک پیرا گراف لکھیے۔ ان معلومات کو اپنے دوست تک خط کے ذریعے پہنچائیے۔

۶۔ اگر آپ کو اپنے گھر میں ایک جانور یا پرندہ یا دونوں ہی پالنے کا موقع ملے تو آپ کیا پالیں گے اور اس کی دیکھ بھال کیسے کریں گے؟ یہ بھی بتائیں۔

کہ آپ اس سے کیسے لطف اندوز ہوں گے؟ ممکن ہو تو ان کی تصاویر بھی چسپاں کیجئے۔

۷۔ مضمون لکھیے۔

۱۔ عنوان ”کھیل“ ۲۔ عنوان ”محنت کی برکات“

☆ جانوروں اور پرندوں کی تصاویر کو ان کی آوازوں سے ملائیے۔



جماعت دوم

- ۱۔ ان پانچ کاموں کی فہرست بنائیں جو آپ بڑے شوق سے کرتے ہیں۔ یہ کام کرنا آپ کو کیوں پسند ہیں؟ ان کاموں سے دوسروں کو کیا فائدہ پہنچے گا۔
- ۲۔ ان پانچ کاموں کی فہرست بنائیں جو آپ بالکل نہیں کرنا چاہتے؟ ان کاموں کو نہ کرنے کی کیا وجہ ہے؟
- ۳۔ کتاب گلستانِ اردو ۲ صفحہ نمبر ۸ پر دی گئی تصویر پر پانچ جملے لکھیے۔
- ۴۔ کتاب 'گلستانِ اردو ۲' کا صفحہ نمبر ۱۰ پر پڑھیں، اور اس میں سے اسم اور فعل چن کر لکھیے۔
- ۵۔ اپنے کمرے پر ایک نظر ڈالیں اور کوئی سی پانچ چیزوں کے نام اپنی نوٹ بک میں لکھ کر ان کو جملوں میں استعمال کیجیے۔
- ۶۔ آپ کے پاس کون کون سے کھلونے ہیں ان سب کے نام لکھیں اور ان میں سے اپنے سب سے پسندیدہ کھلونے پر پانچ جملے لکھیے۔
- ۷۔ اپنی پانچ سہیلیوں / دوستوں کے نام لکھیے۔ سب کی ایک ایک خوبی لکھیے۔
- ۸۔ گلستانِ اردو ۲، سبق سفر کے ذرائع میں سے ان الفاظ کی فہرست بنائیں جو آپ نے اس کہانی میں پہلی مرتبہ پڑھے ہیں۔ ان میں سے کوئی سے پانچ الفاظ کو اپنے جملوں میں استعمال کیجیے۔

جماعت سوم

- ۱۔ اگر انسان کتابوں کو اپنا ساتھی بنا لے تو وہ کبھی اکیلا نہیں ہوتا آپ بھی کتابوں کو اپنا ساتھی بنائیں اور بچوں کی کہانیوں کی تین کتابیں پڑھیں اور درج ذیل تحریری کام اپنی نوٹ بک میں کیجیے۔



جماعت اول

جماعت اول: نوٹ (ذیل میں دیا گیا کام اپنی نوٹ بک میں کیجیے۔ اگر آپ چاہیں تو تصاویر کو کاپی کروا کر نوٹ بک میں لگا سکتے ہیں)
 ☆ حروف تہجی کے ہر حرف سے پانچ پانچ نئے الفاظ لکھیے۔ (روزانہ ایک حرف سے)
 ☆ اردو لکھائی میں نکھار لانے اور ذخیرہ الفاظ میں اضافے کے لیے ہفتے میں دو مرتبہ پانچ الفاظ کی املا کیجیے۔
 ☆ ہفتے میں دو مرتبہ خوشخطی کیجیے۔

☆ ہفتے میں تین مرتبہ کوئی سے تین آسان الفاظ لکھ کر ان کے جملے بنائیے۔
 ☆ بچوں کے اردو کے رسائل یا درسی کتب میں سے پانچ الفاظ چن کر ان کے توڑ اور توڑ کے جوڑ لکھیے۔ (ہفتے میں دو بار)
 ☆ تصویری سرگرمیاں:

۱۔ تصویر دیکھ کر اپنی پسند کے دو پھلوں کے نام لکھیے اور ان کے چار چار فائدے بھی لکھیے۔



☆ تصاویر میں چار موسم دکھائے گئے ہیں ان کے نام لکھیے۔

آپ کو کون سا موسم پسند ہے اس کے بارے میں ایک پیرا گراف لکھیے۔

☆ ”ہے“ اور ”ہیں“ کا استعمال کر کے پانچ پانچ جملے لکھیے۔

☆ ”یہ“ اور ”وہ“ کا استعمال کر کے پانچ پانچ جملے لکھیے۔

☆ گرمی کے موسم میں سب کو آئس کریم پسند ہوتی ہے آپ اس کے بارے میں پانچ لکھیے۔

☆ بچوں کے اردو رسالے یا درسی کتب پڑھیے۔ پڑھائی (بلند خوانی) بہت ضروری ہے

☆ مختلف اسموں کے نام (دس) اور ان کی تصاویر بنا کر ایک کتابچہ بنائیے۔



IGCSE-I

For a smooth transition to IGCSE-I, it is essential to gain imperative knowledge that will propel your learning for the upcoming year.

Instructions

To ensure effective and productive learning outcomes:

- Plan a schedule and develop regular study habits.
- Make a list of subject-wise topics/questions that you find difficult; do discuss all of these with the respective teachers after the summer break. You can also Google the answers if you are interested.
- Maintain a checklist for summer homework.
- Keep a tangible evidence of your homework in form of Hard Journals (with proper subject-wise separators) or e-Tools such as Evernote, Google keep and Simple note etc.
- Submit your homework upon returning to school.

Islamiyat: 0493

1. Create a Fact File depicting information regarding the ten companions of Holy Prophet PBUH, including following in it:

- Date of Birth
- Conversion to Islam
- Services to Islam
- Date of Death

2. Write significance of Surahs and Ahadith in the daily lives of the Muslims.

- Surah Akhlas
- Surah Fatiha
- Surah Kausar

3. Maintain a daily chart of five prayers that you offer

English: 0500

Book Reading

1. Read at least two novels from the recommended list below or of your own choice :

- Tale of Two Cities by Charles Dickens
- Great Expectations by Charles Dickens
- Merchant of Venice by William Shakespeare
- Harry Potter by J.K. Rowling

2. Document your reading journey and submit a Book Report/ Blog/Snap Story/Social Networking Account/Journal while keeping following points in mind:

- Setting
- Characters



- General plot/Outline
- The best part of the novel
- An alternative ending

Project

1. Biography: Interview your grandparent or any other senior member of your family and write an article about his/her life. You can include some quotes if you wish. (Word Limit: 250-350)
2. Poster: Create an informative banner on a chart paper that could be displayed at school on a topic relevant to the improvement of our society.
3. Log: Write a log of your ambitions and goals for the upcoming academic session.

Urdu: 0539

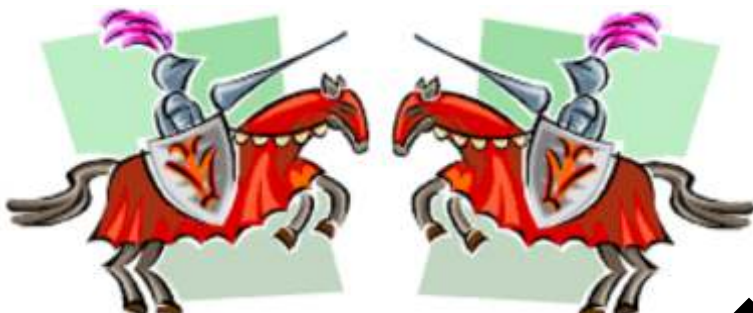
1. Creative Writing: Write a comprehensive essay on the following topics (Word limit:200-250)
 - Computer
 - Sports ki ahmiyat
 - Uniform ki ahmiyat
 - Ustad ki izat
 - Book reading ki ahmiyat
2. Interview your grandparent or any other senior member of your family and write an article about his/her life. You can include some quotes if you wish. (Word Limit: 200-250)
3. Write a log of your ambitions and goals for the upcoming academic session.
4. Read Urdu Newspapers; Cut and Paste one Headline in your copy daily and report review in your own words
5. Pick 5 newly read words from Urdu newspaper and write their meanings from Urdu Dictionary

Pakistan Studies : 0448

HISTORY

Research the Time Period 1857-1947

1. Make a timeline in the form of a calendar / table calendar. You can explain the event briefly or paste pictures.
2. Prepare 5-point notes on the following:
 - East India Company
 - Decline of Mughals
 - War of Independence



GEOGRAPHY

1. Prepare PowerPoint presentation on these topics.
 - Deforestation
 - Livestock farming
 - Tertiary industry tourism
 - Waterlogging and salinity



1. Here are some fun activities for you.

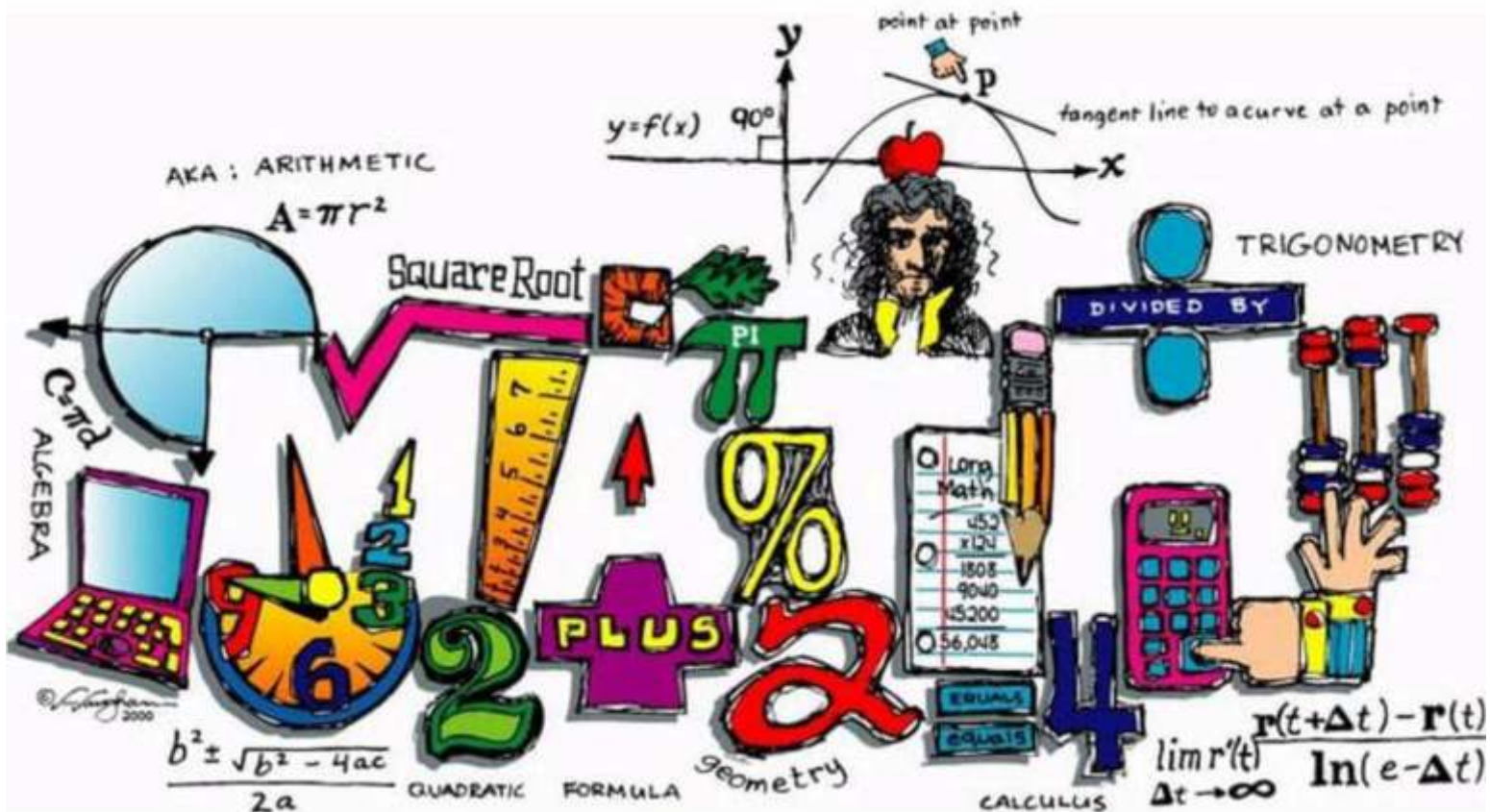
- Calculate the volume of washing machine that you are using at home.
- Calculate the surface area of football having radius 5cm.
- Calculate your weight and compare it on earth and moon.
- Learn the numbers 1 to 10 in Chinese.
- Find out your height (in meter). Convert it to cm and feet.

2. Play with Mathematics and give your brain a work out.

- www.mathsisfun.com/games/puzzle-games.html
- www.math.com/students/puzzles/puzzleapps.html
- www.mathplayground.com/logicgames.html
- www.algebrafunsheets.com

Educational Links for Further Study:

- <https://phet.colorado.edu/en/simulations/category/new>
- <http://mw.concord.org/modeler/index.html>
- <https://www.google.com/sky/>
- <https://www.edumedia-sciences.com/en/node/62-mechanics>
- <https://www.edumedia-sciences.com/en/>
- http://www.phschool.com/science/biology_place/labbench/



IGCSE-II

For a smooth advancement to IGCSE-II, preparatory learning proves to have a significant impact on academic achievement.

Instructions

In order to ensure effective learning outcomes:

1. Plan a schedule and develop regular study habits by following this schedule.
2. Maintain a checklist for summer homework.
3. Solve the past papers assigned; Self-mark them by referring to Mark Schemes and Examiner's Report.
4. Make a list of topics/questions, subject-wise, that you find difficult; do discuss all of these with the respective teacher after the summer break. You can also Google the answers if you are interested.
5. Secure your homework and submit it upon returning to school.

Islamiyat: 0493

1. Read a book (other than coursebook) on the life of The Holy Prophet (PBUH) such as "The Sealed Nector", and write a review on any seven main event form the life of The Holy Prophet (PBUH).
2. Make a timeline regarding life of The Holy Prophet (PBUH) focussing on the events in Makkah and Madina.
3. Maintain a daily chart of The Five Prayers that you offer.

English: 0500

Book Reading

1. Read at least one novel of your own choice.
2. Document your reading journey and submit a Book Report/ Blog/Snap Story/Social Networking Account/Journal while keeping following points in mind:
 - Setting
 - Characters
 - General plot/Outline
 - The best part of the novel
 - An alternative ending

Project

1. **Poster:** Create an informative banner on a chart paper that could be displayed at school on a topic relevant to the improvement of our society.
2. **Log:** Write a log of your ambitions and goals for the upcoming academic session.

1. Creative Writing: Write a comprehensive essay on the following topics (Word limit:200-250)
 - Computer
 - Sports ki ahmiyat
 - Uniform ki ahmiyat
 - Ustad ki izat
 - Book reading ki ahmiyat
2. Interview your grandparent or any other senior member of your family and write an article about his/her life. You can include some quotes if you wish. (Word Limit: 200-250)
3. Write a log of your ambitions and goals for the upcoming academic session.
4. Read Urdu Newspapers; Cut and Paste one Headline in your copy daily and report review in your own words
5. Pick 5 newly read words from Urdu newspaper and make sentences out of them
6. Pick 5 newly read words from Urdu newspaper and write their meanings from Urdu Dictionary

Pakistan Studies : 0448

HISTORY

Time Period 1857-1947

1. Make a timeline in the form of a calendar / table calendar. You can explain the event briefly or paste pictures.
2. Study the following chapters and practice the questions from past papers.
 - East India Company
 - Decline of Mughals
 - Three Religious Leaders
 - War of Independence

GEOGRAPHY

1. Prepare PowerPoint presentation on these topics.
 - Deforestation
 - Livestock farming
 - Tertiary industry tourism
 - Waterlogging and salinity

Note: Burn a cd or save your presentation in a usb.
2. Study the chapters and practice the questions from past papers.
 - Forests
 - Water resources
 - Industries
 - Agriculture



Mathematics: 0580

Revise and practice all the taught concepts by solving Topical Questions from the past papers

Subject Code: 0580

Component: paper 22 only

Year: 2018-21

1. Play with Mathematics and give your brain a work out.

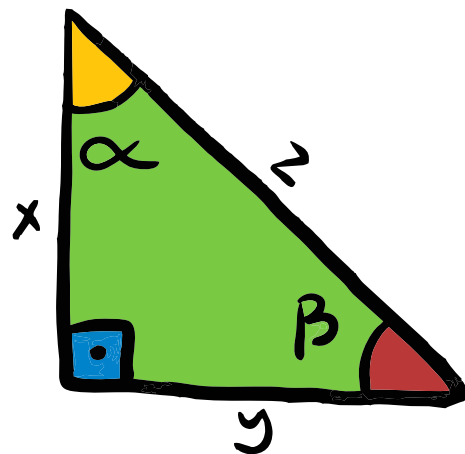
Educational Links for Further Study:

www.mathsisfun.com/games/puzzle-games.html

www.math.com/students/puzzles/puzzleapps.html

www.mathplayground.com/logicgames.html

www.algebrafunsheets.com



Biology : 0610

Course Work:

1. Read or Google the following topics and write research paper of at least two pages for each:

- Characteristics of living organisms
- Dichotomous keys
- Diffusion, osmosis, and active transport

2. Practice these concepts by attempting and self-marking Topical questions from past papers.

Project:

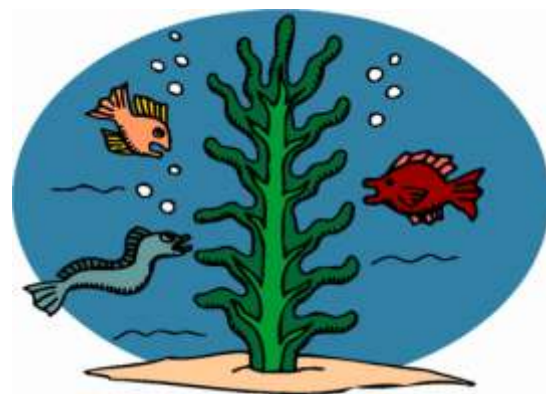
1. Watch videos related to these topics: Transpiration, Translocation, Digestive system, Mode of Action of heart, Dissection of heart, Kidney on any educational website

2. Practice these concepts by attempting and self-marking Topical questions from past papers.

3. Interactive Simulations for Fun Learning:

PhET Simulations Biology

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



Chemistry : 0620

1. Read or Google the following topics and write research paper of at least two pages for each:

- Water Treatment
- Biofuels
- Chemical Weapons of Mass Destruction
- Acid Rain
- Role Of Catalysts in Various Industrial Processes
- Depletion Of Ozone Layer
- Environmental Pollution
- Fertilizers
- Depletion Of Fossil Fuel
- Future Energy Sources

2. Watch videos related to these topics: acids, bases & salts, test for ions, the mole concept, stoichiometry, experimental techniques

3. Interactive Simulations for Fun Learning:

PhET Simulations Chemistry

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

Physics : 0625

1. Read or Google the following topics and write research paper of at least two pages for each:

- Momentum and impulse
- Centre of gravity
- Engines
- Screw gauge

The gas laws

2. Watch videos related to aforementioned topics.

3. Interactive Simulations for Fun Learning:

PhET Simulations Physics

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



Computer Science : 0478

1. Create a scrap book that will contain latest technology related newspaper clips or magazine articles.

Google up the latest topics and take the print out and paste them in the scrap book as well.

2. Prepare PPT presentation on Computer Ethics and Computer Security.

3. Prepare a flow chart of Components of Computers.

Economics : 0455

1. Study the following topics and prepare an analytical report of at least 10 pages with a presentation.

- Limited resources and unlimited wants
- Scarcity, economic problem
- Land , labor, capital, enterprise
- Four type of goods and services
- Planned economy
- Free economy
- Mixed economy

2. For the Business Studies project, prepare a report on:

- Demand and supply
- Capital and resources
- Cost (fixed & variable) and benefit
- Opportunity cost
- Pricing and output policy for competition
- Revenue and profit

3. Practice Topical questions from the past papers



Business Studies : 0450

1. Prepare a Business Proposal and present it, using PPT Presentation, for approval keeping the following points in mind:

- Which form of business is it?
- What are the business objectives?
- Stakeholders
- Sources of finance
- Organisational/Business structure
- Communication channel
- Marketing Strategies

OR

Plan and conduct a business keeping the following points in mind:

- Which form of business is it?
 - What are the business objectives?
 - Business feasibility study
 - Stakeholders
 - Sources of finance
 - Budget & resource
 - Organisational/Business structure
 - Communication channel
 - Marketing Strategies
 - Business evaluation report
2. Practice Topical questions from past papers.



Accounting : 0452

1. Based on Business Studies project, provide evidence of:

- Assets, liabilities, capital
- Budget
- Inventory
- Bookkeeping and business documents
- Income statements and balance sheets
- Payables and receivables
- Bad debts

Educational Links for Further Study:





- <https://phet.colorado.edu/en/simulations/category/new>
- <http://mw.concord.org/modeler/index.html>
- <https://www.google.com/sky/>
- <https://www.edumedia-sciences.com/en/node/62-mechanics>
- <https://www.edumedia-sciences.com/en/>
- http://www.phschool.com/science/biology_place/labbench/





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