



GRADE: VII

HOLIDAY HOMEWORK

DATE:

*Dear Students,*

As we have embarked on our journey in this new session, the most awaited time of the year has arrived. Time to relish summer delicacies, rejuvenate our mind and body, rethink and recreate our potentials. Life is all about climbing mountains and fording streams. In these longer days and shorter nights when you spend your time with favorite music and best friends, give space to creativity and honing skills. Ignite the spark of your imagination and spend time purposely, for dreams only become reality when efforts are made for achievement.

Reading is fun!! Story books, not only entertain children but also take them in a world where courage and fortitude inspire them. The touch and feel of fresh papers of a story book provide a pleasure that no Kindle, smart phones or any other electronic gadget can.

As an integral part of Subject Enrichment Activity, the students will read **any story book of minimum 100 pages.**

You can try Matilda, Christmas Carol, Geronimo Stilton series, Goosebumps series or any other story book of your choice.

After reading, the given activity should be completed in Eng. Lit. Notebook and submitted on the given date after summer vacation.

*Some pointers to remember:*

- Holiday Homework is a part of Subject Enrichment and will be assessed on the basis of creativity and efforts of the students
- Enhance your speaking skills and vocabulary by conversing in English with your family and friends.
- Read famous fictions, update yourself with current events by reading newspaper and listening to the news daily.
- Schedule your time for activities so that there is no piling up for the last moment.
- Practice being a change by contributing to the community by sharing your knowledge.

### **General Instructions**

- **Parents are requested to encourage their ward to do the work independently.**
- **They can support the child if he/she needs help.**
- **Creativity and originality of the work will be appreciated.**
- **Homework should be done neatly.**
- **Complete Pages 2 to 22 of English Cursive Writing**
- **Complete Chapters 1, 3, 6, 8 of Creative Writing Book.**
- **Social Studies Project should be submitted on 20.6.19 (Thursday)**
- **All the subject homework should be done in the respective allotted class work note book.**

Regards

Anand Niketan  
Maninagar Campus



A Book Review by \_\_\_\_\_

Your star rating for this book:



Title: \_\_\_\_\_

Author: \_\_\_\_\_

**Characters**

Who are they?  
Did you like them?  
How did they make you feel?

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**Plot**

What happens? Is it fun to read?

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**Your opinion**

Did you like the book? What was your favourite part & why?  
Were there any funny or scary bits? Did you learn anything?

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**Recommend?**

Why or why not?

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1. Write a **Book-Review** for the book you read during this summer break in the tabular form given above.

2. Prepare a **WORD-WALL** of 20 difficult words that you learnt from any one story that you have read during this vacation.

3. **Read a famous novel / book by a famous author :**

- i) Write a short summary ( 70-80 words ) and name the main characters.
- ii) Choose 10 interesting adverbs from the book and note it down.
- iii) Choose any 3 useful words from each alphabets for A to Z and create your own dictionary.(Paste pictures if possible.)



4. **Creative Writing task** : Pages –

5. **Cursive Writing task** : Pages –



SOCIAL SCIENCE

**TOPIC: INTERNAL STRUCTURE OF EARTH**

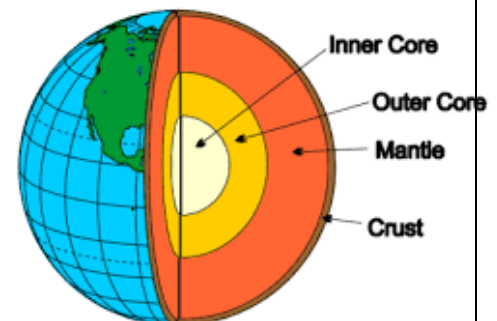
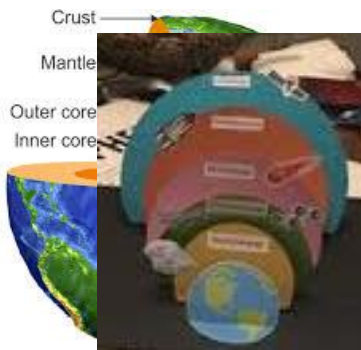
**POINTS TO BE CONSIDERED WHILE PREPARING THE PROJECT( MODEL).**

- 1) The project should be neat and clean.
- 2) Proper labeling.
- 3) Go through the sample given below and use your creativity for the same.
- 4) The date of submission will be
- 5) No readymade projects will be entertained.

**Dear Students,**

You must have often imagined about what the Structure of the Earth would look like???Let us know some interesting facts.

The Earth consists of four *concentric* layers: inner core, outer core, *mantle* and *crust*. The crust is made up of *tectonic plates*, which are in constant motion. Earthquakes and volcanoes are most likely to occur at plate boundaries.



**INTERNAL STRUCTURE OF EARTH**

**Geography Project :( PT-1)**

**Create a model of the Structure of the Earth .Keep in mind that the model should be showing all the layers of the Earth as mentioned in your book. (Follow the Guidelines as suggested)(Select any one)**

**Using a paper model**

- a) To make this model you will need 5 pieces of different colored (brown, orange, red, blue, and white) construction paper, a geometric compass or circle stencils of 5 different sizes, a glue stick, scissors, and a large poster board.



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- b) The finished size of your paper model depends on how large you want to make it.
- c) Using a compass to draw the circles is an easy way to make perfect circles and easily vary the sizes.
- d) Use textured paper to make your model stand out.
- e) Draw 5 circles of varying sizes on the different colored construction paper. Make the inner core white, the outer core blue, the upper mantle orange, the lower mantle red, and the crust brown.
- f) Once you have drawn the circles, take a pair of scissors and carefully cut each circle out. Try to cut as close to the drawn line as possible to make sure each layer is circular. Stack the layers from smallest to largest so you can clearly see the various layers on top of each other.
- g) Place the brown crust down first, then place the red mantle on top, the orange mantle next, then the blue outer core, followed by the white inner core.
- h) Use the glue stick to glue each layer down.
- i) Glue the 5-layer Earth model to a larger poster board. Make 5 labels and glue them down next to the appropriate layer: Crust, Upper Mantle, Lower Mantle, Outer Core and Inner Core

**Using Big Thermocol Ball**

- a) This model uses a foam sphere to represent the Earth with a quarter of it cut out so that you can see the inside layers of the “Earth”. To make this, you will need a large Styrofoam ball (diameter ~5-7 inches), a pencil, a ruler, a long serrated knife, acrylic paint (green, blue, yellow, red, orange, and brown), a paintbrush, four toothpicks, tape, and small strips of paper.
- b) You want to cut out approximately a quarter of the foam ball. To do this, you need to draw a circle around the horizontal and vertical halves of the ball
- c) You’ll want to start the model by painting the outside of it like the globe. Sketch the continents in pencil and then paint them green. Paint around the continents with blue to represent the ocean.
- d) With the pencil, sketch the layers inside the quarter that was cut out. The inner core is going to be a small circle in the very center of the ball. The outer core is next and should have a width about one-quarter of the inside. The next layers are the upper and lower mantle which will take almost all of the remaining space. The crust will be a very thin line painted just around the edges.
- e) Make a small paper tag and wrap it around a toothpick. Tape it in place. Label each piece of paper with the corresponding layer. Stick the toothpick into the foam ball so that everything is properly

- **Distribution of Marks :( 10 marks)(Criteria for Assessment)**
- 1. Content Accuracy and Originality.....2
- 2. Presentation and Creativity.....2
- 3. Initiative, Cooperativeness, Participation .....2
- 4. Viva Voce after Project Completion.....2
- 5. Timely Submission.....2



## MATHEMATICS

### 1. Integers Application: The jumping frog

#### Description:

1. Represent the given situation diagrammatically and mathematically.
2. Use different colors for positive and negative integers.
3. In how many jumps will he come out of the well?
4. Which value do you learn from the frog?

#### Situation:

A frog is there in a 12m deep well. The frog wants to jump out of the well. Every time he jumps 3m and falls back by 1m.

### 2. Decimal & Fractions: Supermarket sale

#### Description:

In the super market there are five shopkeepers A, B, C, D, E. If shopkeeper A sells his  $\frac{2}{3}$  of products in a day, B sells  $\frac{3}{7}$  of products, C sells  $\frac{4}{5}$  of products in a day, D sells  $\frac{5}{6}$  of products in a day and E sells  $\frac{7}{8}$  of products in a day, who sells more products in a day? Cut 5 equal circles and represent each fraction on the circles and find the largest fraction and the smallest fraction.

### 3. Plan your junk food

#### Description:

Take a small packet of wafers. List out the ingredients with their weights and calories.

1. Find out total calories consumption.
  2. Convert the weight of each ingredient in simplest fraction.
  3. Why should we avoid junk food? Name any two healthy foods.
4. **Data Handling:** Draw the bar graph in graph paper for the data of any IPL match of 2019.

### 5. Simplification: Hide and seek

#### Description:

Find the unknowns in the following Table.

Term1	Operator	Term2		Result
$3 \times ?$	$\div$	2	=	18
?	$\times$	7	=	7
$4 \times ?$	$\div$	4	=	10
$10/2$	+	?	=	9
$(48 - 3) \div 5$	-	?	=	3

### 6. Lines , Angles & Circles : Colored wheel

#### Description:

Draw a circle. Mark 8 points on its boundary. Join 2 points at a time to get 4 diameters.

1. Name all line segments and all angles obtained.
2. Color all parts (known as sectors) with different colors.

### 7. Fun with match sticks

#### Description:

Take 3 sets of match sticks as mentioned below.

Set A – [1 stick, 2 sticks, 3 sticks]

Set B – [2 sticks, 2 sticks, 5 sticks]



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Set C – [3 sticks, 4 sticks, 5 sticks]

Taking sticks (as mentioned above) as length of sides of triangle, try to form triangle for each set. Note down the type of triangle formed.

### 8. Let's come to an imaginary world!

#### Description:

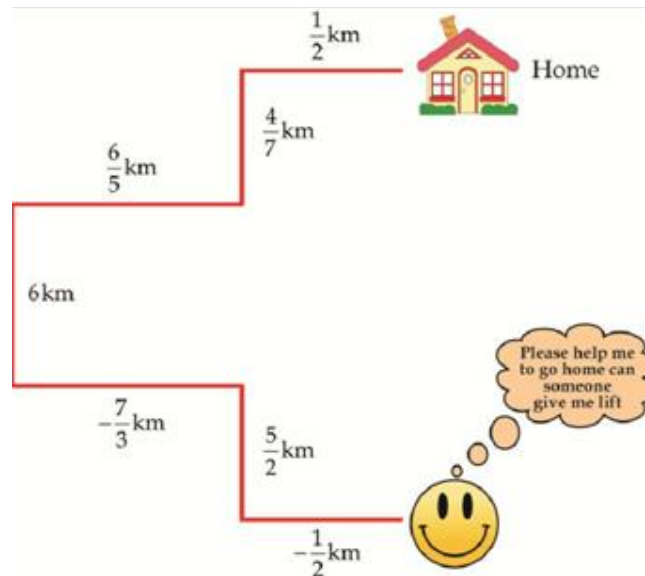
Chalk down your routine in tabular form as mentioned below.

S. No.	Activity	No. of Hours	Fraction of hours per day	%
1.	School			
2.	Playing			
3.	Watching T.V			
4.	Computers			Ra ti
5.	Sleeping			-

### 9. Way to home

#### Description:

Activity to be done on A-4 Size sheet.



Negative distance means distance in opposite direction.



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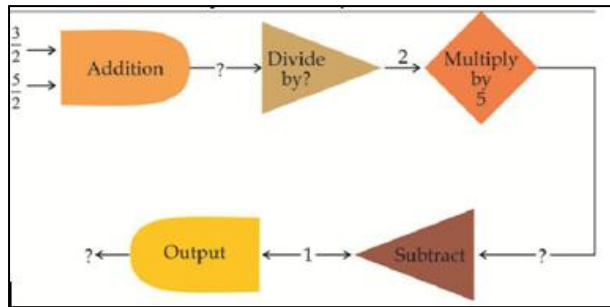
1. Rohan wants to give lift to an old lady and drop her to home. Find how much distance he should have to cover.

2. What value do you learn from Rohan?

**10. Rational Circuit diagram**

**Description:**

Perform the activity on A4 size pastel sheet.



**11. Symmetry on roads**

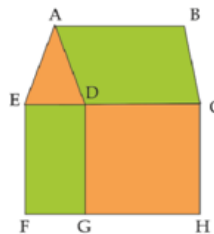
**Description:**

The students will be given some road signs. They will draw the line of symmetry if any. If there is no line of symmetry then they will mention that the figure is non - symmetric. They will name the road sign and explain in a sentence, its meaning.



**12. Parallel Lines and Triangles**

Identify the parallel lines and triangles in the following picture and write down in your note-book. Make similar pictures and them also.



**13. Magic Square**

**Description:**

Complete the following magic square filling in the empty boxes with numbers in exponential rotations with a prime number as the base. The numbers when simplified and added should give you the same sum row wise, column wise or diagonally.

$2^2 \times 3^2$	①	$2 \times 3^2$
②	$5 \times 3^2$	③
$2^3 \times 3^2$	④	$2 \times 3^3$

**14. Robotic Maths**

**Description:** Do as directed

1. Make robot in the graph paper.
2. Calculate perimeter by measuring the sides with the help of scale.
3. Calculate the area of any five shapes by counting the number of full squares and half squares.





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