



# **CS1 WINTER HOLIDAY HOMEWORK**

## **GRADE-8**



# **SOCIAL STUDIES**

The students should make a project on the importance of social reformers in India. They should highlight their efforts and engagement for removing social evils. The project should be for 800 words. They will be assessed on creativity, knowledge and understanding and critical analysis each for 5 marks.

# ENGLISH

## **ASSIGNMENT 1: Write a story on the topic given below in about 200-250 words:**

Your character has a family and a stable job. Then something happens that reminds him of the plans he had when he was younger, to become an actor and live a creative life without ties of any kind. What happens to make him remember this? He starts to wonder if he's made the right choices. What does he do?

## **ASSIGNMENT 2: Write an article for the school magazine on the following topic:**

Amy had visited a hill station recently. She was disturbed to see the plight of the green forest. She wanted to write a short article for her school magazine on 'Trees and Their Importance'. As Amy, write the article in about 150-200 words.



## **ASSIGNMENT 3: Write a diary entry on the following topic in about 200 words:**

List one of your pet peeves and point out why it annoys you.

# INFORMATION TECHNOLOGY

## Project on HTML

### **PROJECT-1**

Design an HTML page that displays a table containing the details of different books in the library.

For example, you have a table something like this-

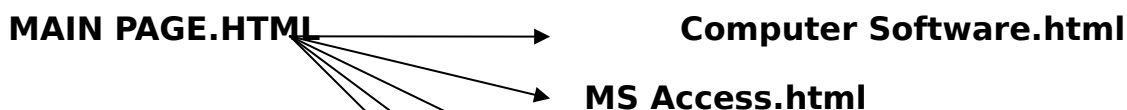
#### LIBRARY

S.N O.	SUBJECT	BOOK NAME	AUTHOR
1	HISTORY	Ancient Civilization	A.C.Dutta
2	GEOGRAPHY	Comprehensive Geography	C.V.George
3	SCIENCE	A Text Book of Physics	Ashit Deb
4	SCIENCE	Organic Chemistry	SohilDutt

Each of these books is hyperlinked to another page that displays the Content of that book. The Content of the book may be an Ordered or Unordered list or both. Whenever a Book Name is clicked, it opens up a new browser window showing the content of that book.

### **PROJECT-2**

Design a COMPUTER TUTORIAL in the form of a website. The main page is linked to four other pages.



**Photoshop.html**

**Visual Basic.html**

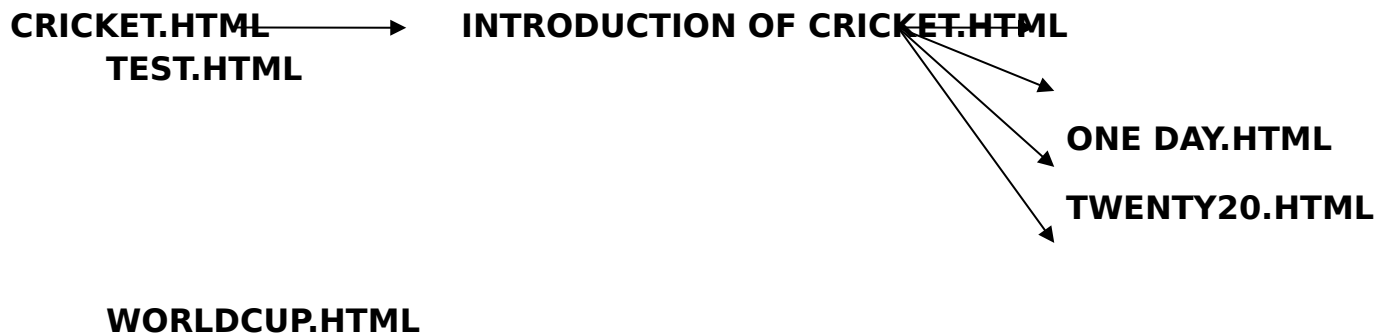
**More on HTML.html**

**Whenever a link is clicked, it opens up a new browser window showing the information to the related topic in the form of tutorial.**

### **PROJECT-3**

**Design an HTML page that displays THE STORY OF CRICKET.**

**Structure of the Website is given below-**



# HINDI

- पाठ -12 ( पुश्किन के गाँव में ) और (चाणक्य -नीति) पाठ को पढ़कर पाठ का सार(Summary) अपने शब्दों में लिखिए ।
- 'पेड़ पौधे हमारे सच्चे मित्र' या 'जीवन में माँ का महत्व' विषय पर अनुच्छेद लिखिए ।
- 'शहीद भगत सिंह' या 'द गांधी' फिल्म को देखकर अपने विचार एक निबंध के रूप में लिखिए ।
- अपने मित्र को अपने स्कूल में हुए वार्षिक महोत्सव(Annual Day)के बारे में बताते हुए पत्र लिखिए ।
- निम्नलिखित कठिन शब्दों के अर्थ लिखिए :-  
शीतल , छुआछूत ,स्वच्छ, वायु, बीमारी ,अकाल ,समस्याएँ, प्रयोग, आविष्कार, रसायनों, त्मकथा,परेशान,चंगुल ,,भावना,सहभागिता,निगरानी ,चिंता ,मौखिक,संस्कृत ,देवनागरी ,लिपि, उचित,उपाय ,सरोवर,कामना ,शौक ,तलाश ,साक्षात्कार ,गंभीरता,
- सशक्त,शीर्षक,अजरज,वक्तव्य, टिप्पणी ।

गृहकार्य booklet form में submit करे

# SCIENCE

**Activity: All students to create a collage on "How science is being used in daily life".**

## CHEMISTRY

*Worksheet based on patterns of reactivity*

Name of the student-

**1)** The following metals are listed in order of reactivity (most reactive first)

sodium > magnesium > zinc > copper

**a)** Describe what each metal does when

(i) Reacts with water

(ii) heated in air

(iii) added to dilute hydrochloric acid

**b)** Which of the four metals would be suitable for making saucepans? Explain why the others are not.

**2)** Describe what you would **see** if you dropped a piece of magnesium ribbon into some copper sulphate solution in a test tube. Write a word equation and a chemical equation for the reaction.

**3)** Complete the following word equations and then a chemical equation for each reaction.

**a)** zinc + lead nitrate solution ----- >

**b)** iron + zinc sulphate solution ----- > lead + copper  
nitrate solution ----- >

**c)** magnesium + zinc chloride solution  
----- >

**d)** copper + sodium chloride solution ----- >

**e)** zinc + iron sulphate solution ----- >

**f)** gold + silver nitrate solution ----- >

**g)** calcium + magnesium nitrate solution ----- >

K	Potassium	↑ most reactive                 ↓ least reactive
Na	Sodium	
Ca	Calcium	
Mg	Magnesium	
Al	Aluminium	
C	Carbon	
Zn	Zinc	
Fe	Iron	
Sn	Tin	
Pb	Lead	
H	Hydrogen	
Cu	Copper	
Ag	Silver	
Au	Gold	
Pt	Platinum	

**4)** Three metals **X**, **Y** and **Z** have the following reactions:-  
**Y** will displace **X** from a solution of its salt.

**Z** will displace both **X** and **Y** from solutions of their salts.

Place the three metals in order of reactivity, starting with the **least** reactive.



**5)** Here is a list of metals in order of decreasing reactivity. **Q** and **R** are mystery metals.  
K > **Q** > Ca > Mg > Al > Zn > **R** > Fe > Cu

**b)** Will Q react with cold water?

**c)** Will R react with cold water?

**d)** Will R react with dilute hydrochloric acid?

**e)** Will R displace copper from copper sulphate solution?

**PHYSICS**

**Q 1 Circle the correct option:**

**[5]**

**(i)** A student rubs a plastic rod with a cloth.

The rod becomes positively charged.

What has happened to the rod?

**A** It has gained electrons.

**B** It has gained protons.

**C** It has lost electrons.

**D** It has lost protons.

**(ii)** Which quantity is measured in coulombs?

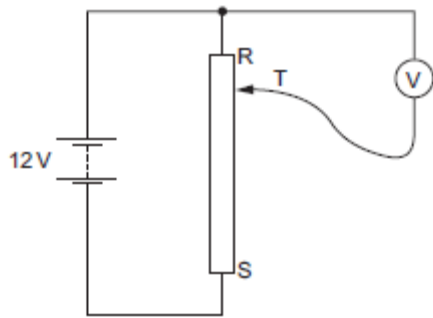
**A** charge

**B** current

**C** electromotive force

**D** power

**(iii)** A student connects a variable resistor in a circuit.



(iv) What happens to the reading on the voltmeter as the sliding terminal T is moved from R to S?

**A** It decreases from 12 V to 0 V.

**B** It increases from 0 V to 12 V.

**C** It remains at 0 V.

**D** It remains at 12 V.

(v) An electric washing machine is protected by an earth wire.

To which part of the washing machine should the earth wire be connected?

**A** the fuse

**B** the live wire

**C** the metal case

**D** the switch

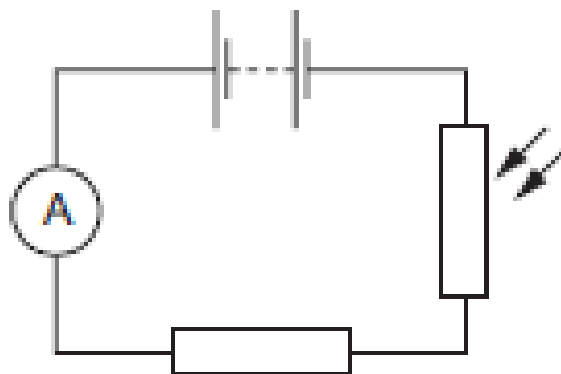
**Q 2** A cylinder of conducting putty has length  $l$ , diameter  $d$  and resistance  $R$ . The putty is now moulded into a cylinder of diameter  $2d$  that has the same volume. How does this affect the resistance of the cylinder?

.....

.....[1]

**Q 3** Label the components in the circuit shown below:

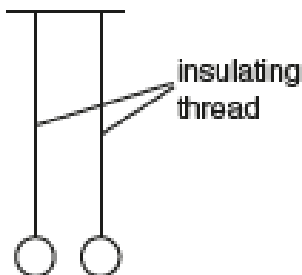
[4]



**Q 4** Draw a circuit with two cells, a rheostat , a switch, three lamps in series and a voltmeter to measure voltage across any one lamp.

[4]

**Q 5** Fig. 8.1 shows two uncharged (neutral) plastic spheres. Each sphere is suspended by an insulating thread.

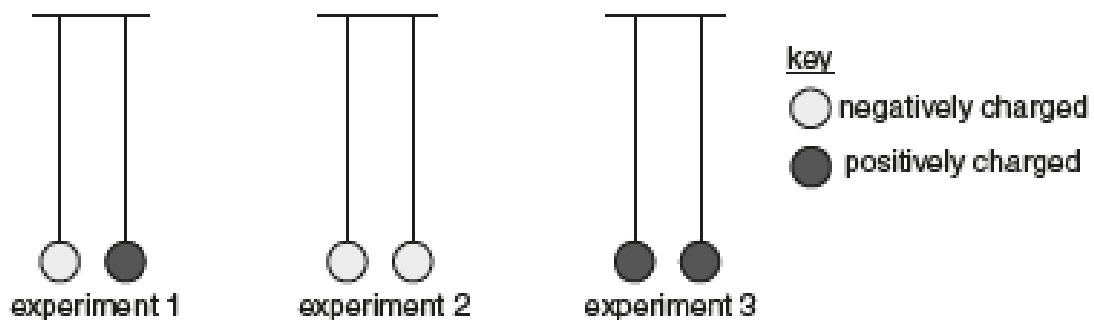


**Fig. 8.1**

**(a)** Suggest a material for the insulating threads.

(b) The spheres can be given a charge.

Three different experiments are carried out using the arrangements shown in Fig. 8.2.



**Fig. 8.2**

For each experiment, describe the force, if any, between the spheres.

experiment 1

.....

experiment 2

.....

experiment 3

.....

(c) State and explain how one of the plastic spheres can be given a positive charge.

[2]

[Total: 6]

# BIOLOGY

1 People who are exposed to dioxins from incinerating (burning) domestic rubbish including plastics, can become ill because dioxins are known to affect the correct functioning of various body systems including the liver and the nervous system. There is also some experimental evidence that dioxins can cause cancer in laboratory rats.

A local council wants to build an incinerator just outside a pretty village, which is situated on the borders of a National Park. Not surprisingly, many local residents are protesting against its construction.

a) Suggest a reason that local people might suggest as an argument against building the incinerator close to their village. [1 mark]

.....  
.....  
.....

b) Suggest a reason why the local council has decided to build an incinerator. [1 mark]

.....  
.....  
.....

c) Some people were interviewed by the local newspaper. Here is what they said.

Say whether each statement is 'fact' or 'opinion' by putting a tick ( ✓ ) in the correct column: [5 marks]

Statement	Fact	Opinion
i) Seventy-five jobs will be created if the incinerator is built.		
ii) The incinerator building will not look nice.		
iii) Twenty people will become ill.		
iv) A lot of heavy traffic will drive through the village.		
v) My dog will get run over by a heavy lorry.		

2 This diagram shows how the greenhouse effect leads to global warming.



a) The annotations have been replaced by letters A to D.

In the spaces below write in appropriate annotations: [4 marks]

Letter	Annotation
A	
B	
C	
D	

b) i) Suggest **one** bit of evidence that supports the idea of global warming.

[1 mark]

.....  
.....  
.....

ii) Why do some people still think that global warming is not a phenomenon caused by humans?  
[1 mark]

.....  
.....

3 Many councils have introduced fortnightly rubbish collections. Some people feel that this is not often enough and that the old weekly collection system was better.

a) Explain why people feel that fortnightly collections are not enough and that the old-style weekly collections were better. [2 marks]

.....  
.....  
.....  
.....  
.....  
.....

b) Why do councils believe that fortnightly rubbish collections are a good idea?  
[1 mark]

.....  
.....  
.....



# FRENCH

Prepare a booklet with names of shops and products we find on those shops.

(Minimum - 10 shops and products on each shop 5-10)

# SPANISH

1. "El amor de Beatriz" by B Brunetti. Read the book and write the book review in form of project on the same on A4 size sheet with proper acknowledgement, summary and your opinion on the story.
2. Revise for IPT 2. Module 3 prepare, Toca A to A y B to be done in notebook.

# MATHEMATICS

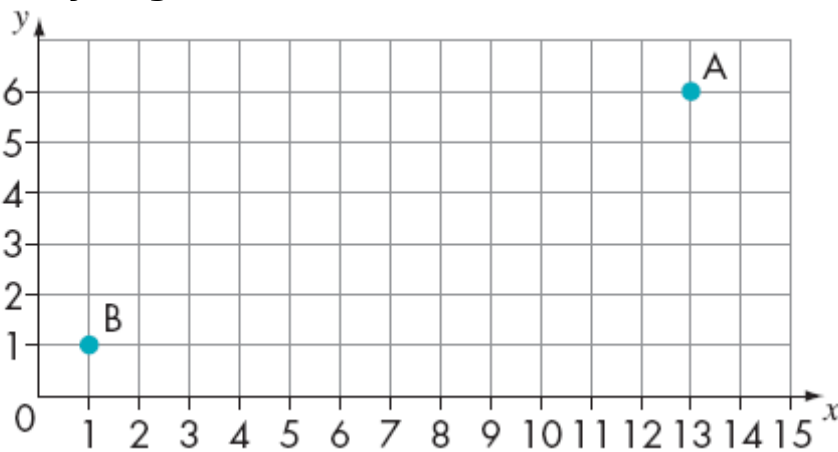
**NOTE:**

**Ensure that the work is done on A<sub>4</sub> size sheets and is in neat handwriting.**

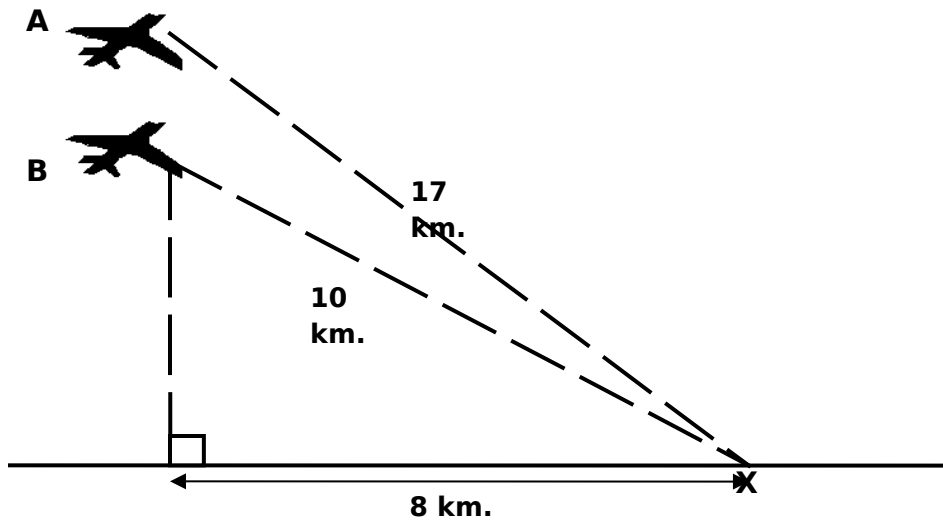
**(Do not use your Maths. fair notebook for this assignment.)**

1. On squared paper draw ten identical triangles. Cut them out carefully and try to arrange them so that they tessellate.
2. Create your own tessellating pattern.
3. In a class of 50 children, 26 are boys and the rest are girls. Find their respective percentages.
4. A football team won 40% of the total number of matches it played during 7 years. If it lost 12 matches in all and no match was drawn, find the total number of matches played by the team during the year?

5. A dealer buys a wrist watch for Rs. 225 and spends Rs.15 on its repairs. If he sells the same for Rs. 300, find his profit percent.
6. Find the interest to be paid at the end of  $3\frac{1}{2}$  years if principal = RS 600 and Rate =10% p.a.
7. The population of a city is 550 000. It is expected that this population will increase by 42% by the year 2013. Calculate the expected population in 2013.
8. For each of the sequences given below,  
 (i) Write expression for the  $n^{\text{th}}$  term.  
 (ii) Using expression for  $n^{\text{th}}$  term, work out  $30^{\text{th}}$  term.  
 (a) 3,10,17,24...  
 (b) -2, 3,8,13...  
 (c) 0,4,8,16...  
 (d) 3,-1,-5,-9...
9. (i) How long is the line that joins the two coordinates A(13, 6) and B(1, 1)?  
 (Use **Pythagoras rule** and show all your working clearly)



10. Solve the following set of simultaneous equations:  
 $3x + 2y = 22$   
 $x + y = 9$
11. Solve the following inequalities:  
 (i)  $20 < 8n-4 < 36$   
 (ii)  $1 \geq 3p+10$
12. *Two planes A and B are flying in formation. One plane is directly above the other. At a particular moment, their horizontal distance from a person standing at X is 8 km. At the same moment their true direct distance from X are 17 km and 10 km respectively. (Use Pythagoras rule.)*



- (i) Calculate the vertical height of Plane A.
- (ii) Calculate the vertical height of Plane B.
- (iii) Calculate the vertical height between the two Planes.

13. Simplify the following;

(i)  $(11^5)^2 \div (11)^2$

$$\frac{48x^2y}{3x}$$

(ii)

(iii)  $(2m^2n^5) \times (3mn^3)^2$

(iv)  $(a^6b^2)^2 \div (a^3b^2)^4$

14. Rearrange the formulae to make 'b' the subject:

(i)  $a = 2b - 7$       (ii)  $x = 2y + \frac{b}{3}$

15. Fred selected a sample of 10 students from his school and measured their ages and weights.

The results are shown in the table below:

Ages(years)	5	8	9	10	6	12	14	13	15	17
Weights(Kg)	18	25	30	28	20	33	38	35	37	39

In order to compare the two measures, he used a scatter diagram.

- (a) Draw the scatter diagram by plotting the given points.
- (b) Draw the line of best fit on the grid.
- (c) Use the line of best of fit to estimate the weight of a student with age 11 years.
- (d) Which one of the following words describes the correlation?  
Positive                      Negative                      No

# VISUAL ARTS

Make a free flowing design on an A3 sheet using thread painting as the first step. Use 3-5 colours for this.

# GERMAN

Frage1 :BildenSieSätze !

1. immer - Markus - sein - böse

---

2. tragen - Frau - Die - einenSonnenhut

---

3. imUnterricht - Sabine -schlafen

---

4. meinBruder - gern - Eis- essen

---

5. die Kinder - sein- frech

---

6. haben - ich- am Sonntag - vielFreizeit

---

7. fahren - wie- ihr - nachHause ?

---

8. du-warum- müde -sein-heute ?

---

9. Peter - am Abend - treffen- Laura

---

10. lesen-meinVater - gern- Bücher

---

11. einwenig -meineLehrerin -sprechen- Japanisch

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Frage2 :BittekombinierenSie !

**InfinitivPartizipPerfektHilfsverb (haben/sein )**

A Essen	1. telefoniert	
b. aufstehen	2. gelesen	
c. arbeiten	3. angerufen	
d. bleiben	4. mitgegangen	
e. singen	5. gesprochen	
f. gehen	6. verstanden	
g. einsteigen	7. gearbeitet	
h. laufen	8. geflogen	
i. verstehen	9. getroffen	
j. reservieren	10. bekommen	
k. beginnen	11. begonnen	

l. denken	12. gemacht	
m. sagen	13. eingestiegen	
n. machen	14. gedacht	
o. rennen	15. getrunken	
p. sprechen	16. Reserviert	
q. anrufen	17. Versucht	
r. bringen	18. gegessen	
s. telefonieren	19. geblieben	
t. treffen	20. gesungen	
u. fliegen	21. aufgestanden	
v. trinken	22. gegangen	
w. mitgehen	23. gerannt	
x. lesen	24. gesagt	
y. bekommen	25. gebracht	
z. versuchen	26. gelaufen	

Frage3 :SchreibenSie die SätzeRichtig.

1. sind /mitdem Auto/ gefahren/ wir/ nach Berlin

Wir**sind( verb 1 Hilfsverb )**mitdem Auto nach Berlin **gefahren( verb 2 PartizipPerfekt )**

2. dort/einschönes Hotel/ wir/gesucht/ haben

3. zumBrandenburger Tor/wir/ am nächsten Tag / mit der S-Bahn/ sind/ gefahren

4. wir/ gemacht/dort/haben/vieleFotos

5. wir /gegessen/dann/zuMittag/haben

6. gegangen/ in den Zoo / sind/ am Nachmittag/ wir

7. geblieben/ sind/ in die Disko/gegangen/ am Abend/sindbiszumfrühenMorgen/ wir/und

8. haben/ heuteMorgen/ und/ langegefrühstückt/ wir/ Zeitunggelesen

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Frage4 :ErgänzenSiePartizipPerfekt

1. bleiben \_\_\_\_\_ 2. frühstücken \_\_\_\_\_  
3. essen \_\_\_\_\_ 4. fahren \_\_\_\_\_  
5. fragen \_\_\_\_\_ 6. gehen \_\_\_\_\_  
7. kaufen \_\_\_\_\_ 8. lesen \_\_\_\_\_  
9. machen \_\_\_\_\_ 10. schlafen \_\_\_\_\_  
11. suchen \_\_\_\_\_ 12. trinken \_\_\_\_\_

Frage5 :Perfekt

OrdnenSie die Antwortenzu.

1. Möchtest du nichtfrühstücken ?Ichhabesieschongelezen.
2. Sol lich dirnocheinBrötchenmitMarmelademachen ?Ichhabe prima geschlafen! Warum ?
3. Willst du vielleichtnocheinenKaffee?  
Ichhabeschongefrühstückt .
4. Möchtest du nochZeitunglesen ?Ich bin schonzweiStundenspazierengegangen
5. Willst du vielleichteinbisschenspazierengehen ?Ichhabeschoneinengetrunken.
6. Schläfst du noch ?Ichhabeschoneinsgegessen

**ESL**

1. Complete all the assignment given to you. Do the writing skills of the assignment on a separate A4 sheet of paper neatly.

2. Make a dictionary of the following words:

Prepossessing, woeful, probe, malicious, crippled, authoritative, sumptuous, stern, fatigue, anguish, remorse, sturdy, anatomy, primitive, magnificent, confinement, flattering, vigil, exploiting, disorderly, hurdle, chaos, backbiting, cuddle, browse, apprehend, applaud, trudge, morsel, verge



Learn the spelling and meaning of each word. Create a colourful dictionary using chart paper. Give the meaning and usage of each word with the help of a sentence. (Size of the dictionary-6inches x 6 inches).

3. Read **Charlie and the Chocolate Factory** well. On an A4 sheet of paper, draw a sketch of your favourite character and write why you like him/her. Also write what you have learnt from the book. (125-150 words)

4. Write a Diary entry sharing your views and experience of Night Camp. (word limit 100-120)

Place your entire homework in a folder.