



**BANYAN TREE SCHOOL
LODHI ROAD**

Holiday Home Work **Grade IX**

Subject	Description
English	<ol style="list-style-type: none"><li data-bbox="493 743 967 779">1. Descriptive Paragraph Writing<ul style="list-style-type: none"><li data-bbox="636 814 1289 877">· Write TWO paragraphs on a person/ event/ situation.<li data-bbox="636 919 987 955">· Word limit is 100-120.<li data-bbox="636 989 1360 1052">· The task has to be attempted on colored A4 size sheets.<li data-bbox="493 1094 703 1129">2. Diary Entry<ul style="list-style-type: none"><li data-bbox="636 1163 1365 1226">· Write TWO diary entries during summer vacation (fortnightly)<li data-bbox="636 1268 1078 1304">· Word limit is 100-120 words.<li data-bbox="636 1337 1360 1400">· The task has to be attempted on colored A4 size sheets.<li data-bbox="493 1442 889 1478">3. Research Based Project<ul style="list-style-type: none"><li data-bbox="636 1512 1360 1575">· Choose any author/poet from the book 'Beehive' and 'Moments'.<li data-bbox="636 1608 1260 1671">· Prepare a biography of the author of your choosing.<li data-bbox="636 1713 1344 1749">· Present your project in the form of an interview.<li data-bbox="636 1782 911 1818">· Include pictures.

Hindi	<ol style="list-style-type: none"> 1. रैदास तथा महादेवी वर्मा की जीवनी पर परियोजना कार्य तैयार कीजिये । 2. चित्रकूट किस राज्य में है, जानकारी प्राप्त कीजिये तथा लिखिए। 3. अपने किसी पसंदीदा पशु या पक्षी के बारे में चित्रात्मक वर्णन कीजिये ।
Mathematics	<p>Activity1: In Activity file -To be done in the Math Practical File To obtain the mirror image of a given coordinate points with respect to x-axis and y-axis. A (3,0) B (3,1) C (2,1) D (2,2) E (1,2) F (1,3) G (0,3)</p> <p>Activity2:Let's Create a Novel Create your own short story to explain any one sub topic of your mathematics book. Note: (i) First page to be the cover page including the title of the story and last page to be the question bank page. (ii) Represent the story in the form of a comic/novel. (iii) The characters of the story to be drawn in the form of Warli art sketches. (iii) Design one "Question bank" page of 5 questions, which should be prepared by your own. (iv) Maximum 5 pages to cover the complete story. (v) The project can be submitted either in the scanned pdf format and also a hard copy for the portfolio.</p> <p>Instructions:</p> <ol style="list-style-type: none"> 1. Activity has to be handwritten. 2. Only A4 coloured sheets to be used. <p>ACTIVITY-3 Best out of Waste</p> <p>Make a Warli art painting on any waste material like empty bottle/paper plate etc. and answer the following questions based on your own art work .</p> <ol style="list-style-type: none"> 1. a) What are the different shapes used by you in the art? 2. b) How many triangles and circles are there? 3. c) How many vertices are there in all?
Science	<p>Activity- Graphical representation of Motion</p> <p>Graphs and pictorial charts are effective visual tools because they present information quickly and easily. Graphs are commonly used by print and</p>

electronic media. Sometimes, data can be better understood when presented by a graph than by a table because the graph can reveal a trend or comparison, condense large amounts of information into easy-to-understand formats that clearly and effectively communicate important points.

General Instructions –

- 1. Both the activities have to be done by each student individually.**
- 2. Kindly follow the instructions as mentioned for both the activities and work accordingly.**

(i) Materials – Graph sheets and coloured A- 4 sheets

(ii) Plot the graphs and paste neatly on the A-4 sheet by cutting the borders of the graph.

(iii) Calculations of different parts of the activity to be done on separate A-4 sheets.

Parameters of Assessment:

- Data interpretation and analysis – 1 mark
- Graph plotting skills and accuracy – 1.5 marks
- Conceptual understanding and applications – 1 mark
- Presentation – 1 mark
- Submission on time: 0.5 mark

Activity 1 :

A car is moving on a highway with uniform acceleration. The following table gives the speed of the car at various instants of time:

Time(s)	0	10	20	30	40	50
Velocity(m/s)	5	10	15	20	25	50

- (i)** Draw the Velocity-time graph choosing an appropriate scale.
- (ii)** Determine the acceleration from the graph.
- (iii)** Calculate the distance traveled by the car from $t = 20$ s

to $t = 50$ sec.

Activity 2:

Picnic was planned for Class IX students at an amusement park in Greater Noida. Students boarded the bus which left the School Campus at 10:05 am. Deepak brought an odometer to measure the distance traveled by the bus in different time intervals. He was very curious to check and verify the applications of the concept studied in the Physics class.

The observations taken for distance and time of the moving bus is given below:

TIME	DISTANCE (Km)
10:05 am	0
10:25 am	5
10:40 am	12
10:50 am	22
11:00 am	26
11:10 am	28
11:25 am	38
11:40 am	42

The following task was given by him to his classmates:

- (i) Using proper scale and measurement, a Distance-time graph to be plotted on a graph sheet based on the above data.
- (ii) At which time interval the bus is traveling at the greatest speed?
- (iii) Find the average speed of the bus.
- (iv) Calculate the speed of the bus between 11:25 am and

11:40 am?

Activity-3 :Soil Study !!!

Soil is an important resource that decides the diversity of life in an area. Study the type of soil in at least four different locations (two are given for your reference) and compare plants (flora) and animals (fauna) along with suitable supporting pictures.

Ser. No	Soil Source	Plants (Flora)	Animals (Fauna)	Pictures
1	Garden soil			
2	Soil from Road side			
3				
4				

PROJECT

The existence and welfare of humans and other living things depend on natural resources. Everything we require for survival from the oxygen we breathe to the water we drink, from the food we eat to the materials we use for our home and clothing is derived from the earth's resources. However we are putting a greater strain on these resources as the world's population continues to rise and as our economies develop. Our natural resources' availability and sustainability are being threatened by environmental problems such as climate change, deforestation, pollution and others.

Project Title : Natural Resource Conservation and Advances for Sustainability.

Choose **any one** natural resource out of following,

The essential natural resources are

- * Land and Soil
- * Water
- * Energy Resources
- * Minerals
- * Forests
- * Plant Resources
- * Wildlife Resource

Research about it and highlight all the important aspects mentioned below:-

- 1) Mark the distribution of a particular natural resource in India (Map) .**
- 2) Collect the data and show the rate of production and consumption of that natural resource with the help of a bar graph.**
- 3) Suggest strategies to conserve a natural resource for sustainable development. Suggest at least five different methods for the traditional use of natural resources with sustainable alternative methods. Compare using pictures.**

General Instructions:-

- 1) Project work has to be handwritten.**
- 2) Project to be submitted on A-4 size sheets only. (5-6 pages)**
- 3) It must include a cover page and introduction.**
- 4) Pictures coloured/ black and white should be used.**
- 5) Acknowledgement, Certificate, Bibliography to be written but it does not count as a page in the project.**

These three activities and project work will be assessed as Internal assessment.

These activities and project work will go in your portfolio file for the CBSE Internal Assessment Submission record.

Date of Submission:- July 5th 2023

Parameters of Assessment:

- Content and correct facts - 2 marks
- Presentation - 2 marks

	<ul style="list-style-type: none"> ● Submission on time - 1 mark
Social Science	<ol style="list-style-type: none"> 1. The students will undertake a project on Disaster Management 2. The following Instructions should be followed: <ol style="list-style-type: none"> i. Objective: The main objectives of giving project work on Disaster Management to the students are to: <ol style="list-style-type: none"> a. create awareness in them about different disasters, consequences and management b. prepare them in advance to face such situations c. ensure their participation in disaster mitigation plans d. enable them to create awareness and preparedness among the community. ii. It should also help in enhancing the Life Skills of the students. iii. If required, students may go out to collect data and use different primary and secondary resources to prepare the project. iv. A Summary Report should be prepared highlighting: <ul style="list-style-type: none"> • objectives realized through individual work and group interactions; • calendar of activities; • innovative ideas generated in the process; • list of questions asked in viva voce. 3. The Project work can be presented in the form of PowerPoint Presentation/Skit/story telling/debate/ paper presentation. 4. The project has to be handwritten. 5. Only A4 sheets to be used (Ruled, colored sheets can be used. NO Printed sheets to be used) 6. Minimum number of pages should be 10. 7. Acknowledgement, Certificate, Bibliography to be written but it does not count as a page in the project.