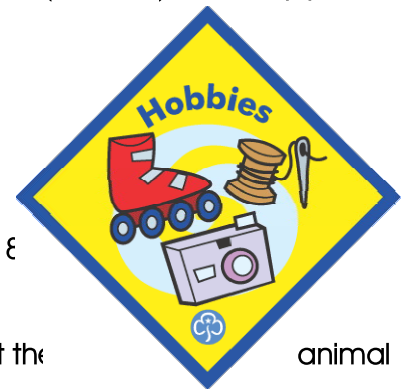


## GRADE – IX HOLIDAY HOME WORK

### ENGLISH

1. Read any book of your choice and write book review on them. . Write the review in A4 sheets. The review should contain a brief summary of the book, analysis of characters (if fiction) and why you like the book.  
You will be assessed on the book review with the following criteria--  
Content (2 M), Viva (1 M), Presentation (2 M) , Total- 5 marks
2. KNOW MORE :- Interview your parents/grandparents (-10 questions) enquiring about their hobbies, childhood activities etc. (Prepare atleast 6 to 8 questions) Remember to pen down the interview in A4 sheet
3. Make a beautiful mask of any one endangered animal and write about the animal in A4 sheet papers.



### MATHEMATICS



1. Do the given worksheet Topic: Number system and coordinate geometry

**Learning outcome :** Children will recall the concept of number system & coordinate geometry.

2. Do any one of the following activities

Prepare a model for showing the relation between the volume of cone and volume of cylinder. Please refer the given link for getting some ideas

<https://youtu.be/u5KGgldQb1s>

**Learning outcome:** Children will be able to identify the relation between the volume of cylinder and cone practically so that they never forget that relation

(or)

Prepare a model for finding the value of  $\pi$ . Please refer the given link for getting some ideas

<https://youtu.be/uKxsl6fp3M4>

**Learning outcome:** Children will be able to find the value of  $\pi$  practically

They will enjoy by doing this activity.

They will identify the reasons for why the value of  $\pi$  is irrational and  $22/7$  is a rational number



### SCIENCE

Theme: ADVANCEMENTS IN TECHNOLOGY

1. How would digital technologies develop in the next 10 years?
2. Collage making-  
What are the new technologies in 2018 in the field of IT, Medical, Robotics (In separate coloured A4 sheets)
3. "Artificial Intelligence is an advantage for the future generations"  
Support the statement in detail with 5 examples and pictures-**BROCHURE MAKING**
4. Create a PPT on the advancements in the field of agricultural practices, clearly depicting the



transformation from traditional approach to the use of Robotics

5. You are a reporter of a leading newspaper daily. Submit a report on the increased use of Artificial Intelligence in our daily lives on A4 sheet
6. Prepare one working model from the given theme: **ADVANCEMENTS IN TECHNOLOGY** or the topic of Transportation and communication
  - a) Hydraulic crane
  - b) Hydraulic bridges
  - c) Hydraulic robotic arm

Instructions:

- 1) Use cardboard or any other material instead of using thermocol sheets.
- 2) Give a write-up on A4 Sheet for the following
  - a. Name of the Project Mode
  - b. Materials Used
  - c. Scientific principle of the mode
  - d. Construction
  - e. Working of the model

**SOCIAL**



**INVESTIGATORY TOPIC:** Disasters and its Mitigation plan

**THEME:** "Disaster Management" -

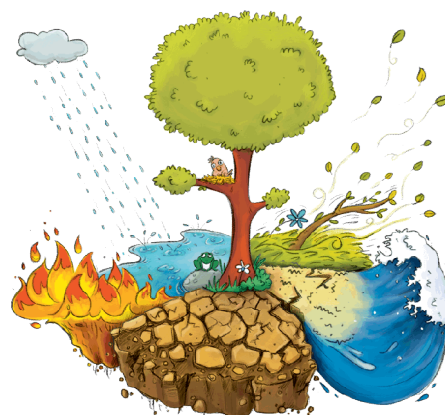
**OBJECTIVE:** To research and analyse the causes and effects of Natural & Human made disasters and Suggest a mitigation plan

**GUIDELINES**

1. The total length of the Project should not be more than 12 pages on A-4 size paper.
2. The project will be handwritten and credit will be awarded to original drawings, illustrations and creative use of materials. Usage of graphs to present data.
3. The project will be presented in a neatly bound simple folder. Please avoid plastic cover, instead use handmade paper file. Colours suggested are- Blue, Yellow and Green.

The project report will be developed and presented in the following order:

- a. Page- 1 Cover Page showing project title, student information, school and year.
- b. Page-2 Contents: List of contents with page numbers.
- c. Page- 3 Acknowledgements: Acknowledging the institution, offices and libraries visited and persons who have helped.
- d. Page- 4 Project Overview: Purpose, Aim, Methodology and experiences while doing the project
- e. Page- 5 to Page- 12 Subject Matter: Chapters with relevant headings and illustrations.
- f. Page- 13 Conclusions: Based on findings. (Summary and Suggestions)
- g. Page- 14 New findings
- h. Page -15 Suggestions and recommendations
- i. Page-16 Bibliography: It should have the title, pages referred, author, publisher, year



publication and if a website the name of the website with the specific website link which has been used.

- j. Page - 17 –Feedback form All the photographs & sketches should be labelled and acknowledged.

Select any two disasters (Natural and Human Made) and answer the following questions

#### CASE STUDIES

- Causes and impact of the disasters on the nation.
- How to manage the disasters?( Mitigation plan)
- Preparedness plan.
- Pictures to be pasted wherever necessary of recent disasters from Newspapers, Magazines, Internet etc. (Refer Disaster Management text book) Please refer the given link for creative project presentation ideas.

[https://www.youtube.com/watch?v=nAKdpbrKn\\_o](https://www.youtube.com/watch?v=nAKdpbrKn_o)

Criteria for Assessment- 20M

Content - 5

Originality - 5

Quality of presentation – 5

Visual Appeal – 5

#### 2<sup>ND</sup> LANGUAGE - HINDI

१.हाल्लिह में हुआ पुलवामा घटना के बारे में जानकारी हासिल कीजिये

२.विंग कमांडर अभिनन्दन का जीवनी के बारे में लिखिए ।(विविध) भित्ति पत्रिका में लिखिए

<https://www.bharatdarshan.co.nz/magazine/literature/1133/abhinandan-biography-hindi.html>

३.दिए गए कार्यपत्र को पूरा कीजिये ।

3.2.संवाद लेखन;

कल्पना कीजिए कि आप एक महान वैज्ञानिक / नेता / खिलाड़ी से मिले. आप उनसे कि यह साक्षात्कार को संवाद के रूप में लिखिए ।

#### 2<sup>ND</sup> LANGUAGE - TELUGU

1. "యుద్ధం వినాశనానికి కారణం" అని శాంతి స్థాపన నిమిత్తం ఏర్పడిన "ఐక్యరాజ్యసమితి"- దాని అంగాలను గురించి , విధులను గురించి రాయండి.

2. ప్రపంచ శాంతి కోసం పాటుపడిన "నెల్సన్ మండేలా", "యాసర్ అరాఫాత్", "గాంధీ" వంటి వారిని గురించి వివరాలు, చిత్రాలు సేకరించి వారిని గూర్చి వ్యాసం రాయండి.

3. తెలుగుభాష గొప్పతం తెలిపే పద్యాలు సేకరించి రాయండి.

FEEDBACK FORM

(To be filled in by parent and student after discussion with each other)

1. The Holiday's Homework was: [     ]  
a) Lengthy                      b) Short                      c) Appropriate
2. You required help: [     ]  
a) Continuously                      b) Occasionally                      c) Never
3. The time given to complete the assignment was: [     ]  
a) Appropriate                      b) Too less                      c) Too much
4. The information required was: [     ]  
a) Easily available                      b) Difficult to find
5. Did your child enjoy doing the Homework? If 'Yes', why and if 'No' why not?

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6. The most interesting part of the homework was.....

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7. While doing the homework, I learnt.....

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8. Which of the activity did your child enjoy the most?

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9. What other activities would you like to do with your child during holidays?

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10. How do you think your child benefited through holiday homework?

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-- To be submitted to the Class Teacher on the day of reopening after Summer Vacation--