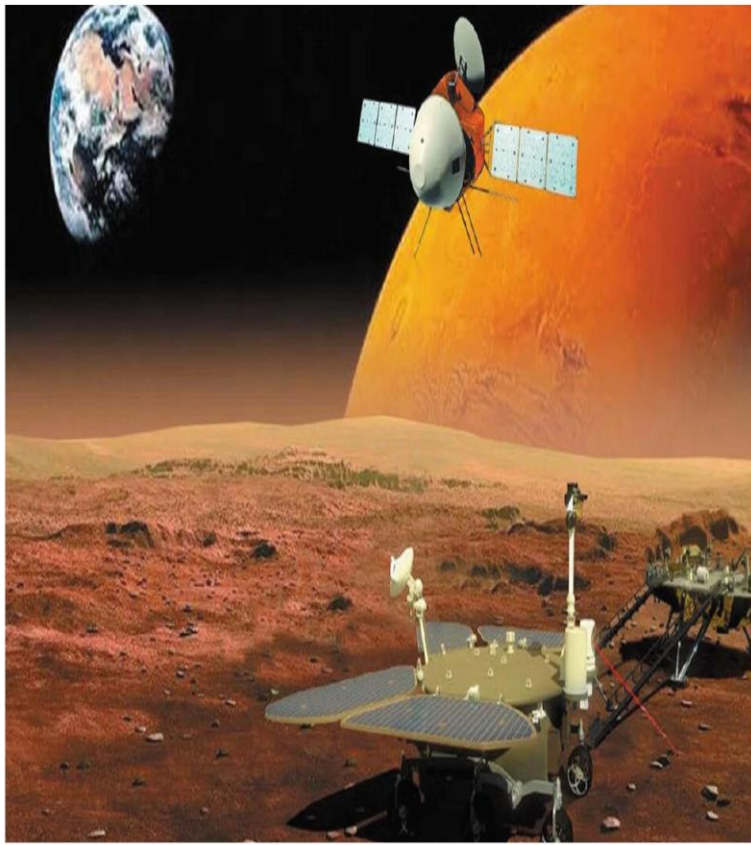


# HOLIDAY HOMEWORK

*Class VIII*

*Session: 2025-26*

An Inter Disciplinary Art Integrated Project  
Theme :Mission Mars Colonizing The Red Planet



Dear students, summer is here - a season of sunshine, stories, and self-discovery! While you enjoy the warmth of the holidays and the freedom of unstructured days, let your imagination roam and your curiosity lead the way this holiday homework isn't just about notebooks. It's a journey filled with creativity, exploration, and fun challenges that will keep your mind sharp and spirits high.

*“So, Pack your Pencils  
like Explorers pack their  
Maps”- Adventure  
awaits in Every  
Activity!*


## Learning Objectives: Mars Exploration

1. **Know about important Mars missions** – Find out what space agencies like NASA, ISRO, ESA, and others have done to explore Mars.
2. **Learn about India's Mars Mission (Mangalyaan)** – Understand what India's first Mars mission achieved and why it made the country proud.
3. **Explore the challenges of space travel** – Discover how scientists solve problems like sending rockets far, staying in touch with spacecraft, and moving them safely.
4. **Build research and presentation skills** – Learn how to collect information, make simple charts or posters, and share what you learn with others.
5. **Get inspired by space science** – See how exciting space science is and think about future careers in science, technology, and space.

## General Instructions :

1. The holiday homework has been divided into Two parts
  - Interdisciplinary Project
  - Subject Based
2. All the work should be done on A4 size sheets.
3. It should be creative, neat and clean.
4. The Interdisciplinary project must have following points
  - Cover page
  - Certificate
  - Acknowledgement
  - Index
  - Bibliography
  - Size of sheet must be A4
  - The final date for submission of Holiday Homework is Monday, 7<sup>th</sup> July 2025

## Part 1 Subject Based Project

English	<p><b><u>Roll number - 1 to 15</u></b></p> <p>"We are such stuff as dreams are made on".</p> <p> <b>*Mask mania* :</b></p> <p>Design and create a mask representing a character from one of William Shakespeare's plays. This sets a tone of " *Adventure and respect for Shakespeare's legacy". *</p> <p>Instructions:</p> <p>*Character Selection:*</p> <p>Choose a character from any of Shakespeare's plays. Consider characters from Romeo and Juliet, A Midsummer Night's Dream, Macbeth, or The Tempest.</p> <p><b>**Mask Design* :</b></p> <p>Create a mask that reflects the essence of your chosen character.</p> <p>Use materials such as paper, cardboard, colors, glitter, feathers, or any craft supplies available at home.</p> <p>Ensure the mask is wearable, with eye holes and straps or ribbons to secure it.</p> <p><b><u>Roll number - 16 onwards</u></b></p> <p>•Make a creative photo frame of "The famous characters of William Shakespeare".</p> <p><b>From 16 to 20 - <i>iago</i></b> <b>From 21 to 25 - <i>macbeth</i></b></p>
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	<p><b>From 26 to 30 - othello</b></p> <p><b>2. Assignment</b></p> <p><a href="https://1drv.ms/w/s!AtHj2QFmBa5rgTGjZQFipu69AJRR?e=kiuU90">https://1drv.ms/w/s!AtHj2QFmBa5rgTGjZQFipu69AJRR?e=kiuU90</a></p>
<b>Hindi</b>	<p>जल है तो कल है पांच तत्वों पर पोस्टर बनाइए A3 साइज शीट पर</p> <p>मंगल लाल ग्रह का चित्र बनाते हुए उनके महत्व पर कविता लिखें असाइनमेंट कॉपी में करिए</p> <p><a href="https://drive.google.com/file/d/1p6FXrengYeN8kvFcJnY0o5dl-RQIVnSV/view?usp=drivesdk">https://drive.google.com/file/d/1p6FXrengYeN8kvFcJnY0o5dl-RQIVnSV/view?usp=drivesdk</a></p>
<b>Maths</b>	<p><b>1. Make a working model on</b></p> <ul style="list-style-type: none"> <li>• Angle sum property(Roll no. 1-5)</li> <li>• Pythagoras theorem(Roll no. 6-10)</li> <li>• Area of circle(Roll no. 11-15)</li> <li>• Exterior angle property (Roll no. 16-20)</li> <li>• Probability game(Roll no. 21-25)</li> <li>• Puzzle game on understanding shapes(Roll no. 26-30)</li> <li>• Area of 3-D shapes(Roll no. 31 onwards)</li> </ul> <p><b>2. Do the given assignment on A-4 size sheet by clicking the link given below:</b></p> <p><a href="https://drive.google.com/drive/folders/1V6seHLyVfeLm6AQwY--_KL5fwYPEP9aw">https://drive.google.com/drive/folders/1V6seHLyVfeLm6AQwY--_KL5fwYPEP9aw</a></p>
<b>S.Studies</b>	<p><b><u>Resource Management</u></b></p> <p>1.Make a project on different types of resources, including their classification, importance and conservation methods. (Use A3 size sheet )</p> <p>2.Make a model of resources management topics are:-</p> <ul style="list-style-type: none"> <li>• Water conservation (Roll no.1-5)</li> <li>• Sustainable Forest management (Roll no.6-10)</li> <li>• Land use plannings (Roll no.11-15)</li> <li>• Food resources management (Roll no.16-20)</li> <li>• Renewable energy resources (Roll no.21-25)</li> <li>• Waste management (Roll no.26 onwards)</li> </ul> <p><b>Do the given assignment on A-4 size sheet by clicking the link given below:</b></p> <p><a href="https://drive.google.com/file/d/1VPj9xfPc0i47mX3zt8WECyxIGD0Z_ibb/view?usp=drivesdk">https://drive.google.com/file/d/1VPj9xfPc0i47mX3zt8WECyxIGD0Z_ibb/view?usp=drivesdk</a></p>
<b>Science</b>	<p>1. Each group has been assigned a specific project or model. All students must prepare and submit their assigned project or model according to their roll number after the summer vacation.The entire class has been divided into groups based on roll numbers as follows:</p> <ul style="list-style-type: none"> <li>• Roll No. 1 to 4 Working model on Invertor Channel</li> <li>• Roll No. 5 to 8 Make a working model of Hydraulic Press Channel</li> </ul>

	<ul style="list-style-type: none"> <li>• Roll No. 9 to 12 Working model of Simple Relay Switch System</li> <li>• Roll No. 13 to 16 Make model of Eruption Water Fountain</li> <li>• Roll No. 17 to 20. Working Model of Automatic Candle Extinguisher</li> <li>• Roll No. 21 to 24 Working model of Deccan Trap Water Fountain</li> <li>• Roll No. 25 to 28 Model of Electromagnetic Induction</li> <li>• Roll No. 29 to 32. Working model of Greenhouse</li> <li>• Roll No. 33 &amp; Above Working model of Vacuum Cleaner</li> </ul> <p><b>Do the given assignment on A-4 size sheet by clicking the link given below:</b></p> <p>2. <a href="https://docs.google.com/document/d/1xbGWprn31N0C30QaQuNZqo8EeBQD-zPNygsDHj4hbiQ/edit?usp=sharing">https://docs.google.com/document/d/1xbGWprn31N0C30QaQuNZqo8EeBQD-zPNygsDHj4hbiQ/edit?usp=sharing</a></p>
Sanskrit	<p><b><u>सुभाषितसंग्रहः (Proverb Collection)</u></b>  पञ्च सुभाषितानि (wise sayings) संगृह्य, तेषां हिन्दी-अर्थ अपि लिखत।  उदाहरणः –सत्यं वद। धर्मं चर। – सत्य बोलो, धर्म का पालन करो।</p> <p><b><u>निबन्धलेखनम् (Essay Writing)</u></b>  निम्नलिखित विषये एकं निबन्धं संस्कृतभाषया लिखत (१०-१२ वाक्यानि) –  "मम विद्यालयः" अथवा "मम प्रियपुस्तकम्"</p> <p><b>Do the given assignment on A-4 size sheet by clicking the link given below:</b></p> <p><a href="https://drive.google.com/file/d/1klulzlgDQbyuucQZta2f7JUHI1vFeaLp/view?usp=drivesdk">https://drive.google.com/file/d/1klulzlgDQbyuucQZta2f7JUHI1vFeaLp/view?usp=drivesdk</a></p>
Computer	<p><b>Roll no. 1-15</b></p> <p><b>Title: Networking Scrapbook or Digital Journal</b></p> <p>Create a Networking Scrapbook (physical or digital in PowerPoint/Google Slides/Canva/Notebook).</p> <p>Cover Page:</p> <ul style="list-style-type: none"> <li>• Title: "Exploring the World of Computer Networking"</li> <li>• Your name, class, and a creative drawing or printed image of a network</li> </ul> <p>My Understanding of Networking</p> <ul style="list-style-type: none"> <li>• Define networking in your own words</li> <li>• Why is it important today?</li> <li>• Include 2 images (drawn or printed)</li> </ul> <p>Types of Networks</p> <ul style="list-style-type: none"> <li>• Describe LAN, MAN, WAN with examples</li> </ul>

	<p>Real-Life Examples</p> <ul style="list-style-type: none"> <li>• Where do you see networks in real life? (Home, school, banks, etc.)</li> <li>• Paste or draw 3 examples and write one sentence for each</li> </ul> <p>Devices Used in Networking</p> <ul style="list-style-type: none"> <li>• Write about 4 devices (e.g., Router, Switch, Modem, Server)</li> <li>• Include pictures or drawings of each</li> </ul> <p><b>Roll no. 16-30</b></p> <p><b>Topic: Comic Strip</b> Create a 4-frame comic strip showing how two computers “talk” over a network.</p> <p>Networking Poster Design a colourful A3/A4-size poster titled “<i>The Magic of Networking</i>” showing how different devices connect and communicate.</p> <p><b>Roll no. 31-45</b></p> <p><b>Hands-On HTML Coding (Use Notepad)</b></p> <p>Task 1: My First Web Page</p> <p>Create an HTML page with:</p> <ul style="list-style-type: none"> <li>• Title: “About Me”</li> <li>• Headings, a paragraph about yourself - Bold and italic text</li> <li>• A list of your hobbies (ordered or unordered)</li> </ul> <p>Task 2: My Dream Travel Destination Page</p> <p>Create an HTML page with:</p> <ul style="list-style-type: none"> <li>• Heading: “My Dream Vacation”</li> <li>• A paragraph about your favourite place to visit</li> <li>• Add an image (online link or local image path)</li> </ul> <p>Task 3: Fun with Colours and Fonts (Optional Challenge)</p> <p>Style your HTML page using basic tags:</p> <ul style="list-style-type: none"> <li>• Background color (&lt;body bgcolor&gt; or using style)</li> <li>• Font changes using &lt;font&gt; or style attribute</li> <li>• Use horizontal line &lt;hr&gt; and line break &lt;br&gt;</li> <li>• Write a short story or poem on A4 size coloured sheet on the topic  <i>“Imagining what happens inside the Internet”</i></li> </ul> <p><b>Do the given assignment on A-4 size sheet by clicking the link given below</b></p> <p><a href="https://docs.google.com/document/d/1ahpEEthlM-qxUArMm_Tul1fb6zyEi9eL/edit?usp=drivesdk&amp;ouid=100266848379860989682&amp;rtpof=true&amp;sd=true">https://docs.google.com/document/d/1ahpEEthlM-qxUArMm_Tul1fb6zyEi9eL/edit?usp=drivesdk&amp;ouid=100266848379860989682&amp;rtpof=true&amp;sd=true</a></p>
Art & Craft	<p><b>Do the project given in link and use the vedio shared below as reference or feel free to use your own creativity while working on your project</b></p> <p><a href="https://drive.google.com/drive/folders/1W9xt6fb9gcW57TUWbd0w_qnnfymcY24E">https://drive.google.com/drive/folders/1W9xt6fb9gcW57TUWbd0w_qnnfymcY24E</a></p>

## Part -2 Interdisciplinary Project

English	Write a diary entry from the perspective of an astronaut living on Mars for an extended period and how he/she would build the empire on the planet Mars.
Hindi	लाल ग्रह की ओर उड़ान-मंगल ग्रह के कठिन वातावरण के लिए अंतरिक्ष यात्रियों को कैसे किया जाता है तैयार? , लिखिए
Maths	"How can we use mathematical calculations to estimate the time, speed, and fuel required for a spacecraft to travel from Earth to Mars? For example, if a spacecraft is traveling at a speed of 24,000 km/h and the average distance between Earth and Mars is approximately 225 million kilometers, how long would the journey take, and how can we estimate the amount of fuel needed?"( Distance = speed*time)
S.Studies	<p><b><u>Red planet</u></b></p> <p>Design a project of a Potential human settlement on mars, considering factors such as habitat,Life, support system and resource utilization. Take photographs and paste on the sheets.</p> <p><b><u>Suggested Layout for the A4 Sheet:</u></b></p> <p><b>Top Center:</b> Choose and write one of the titles above in bold, colorful, or stylish lettering.</p> <p><b>Divide the sheet into 3 sections with photos and descriptions:</b></p> <ol style="list-style-type: none"><li><b>Habitat (Martian Shelter Design)</b></li><li><b>Life Support Systems (Oxygen, Water, Temperature)</b></li><li><b>Resource Utilization (Solar Power, Ice, Soil)</b></li></ol> <p><b>Under each section:</b></p> <ul style="list-style-type: none"><li>Paste clear photos of your working model.</li><li>Write 1–2 lines describing what each part shows.</li><li>Add labels or small icons (🔍 🌱 🌞 🌍) for creativity.</li></ul>
Science	<p><b><u>Mission Mars</u></b></p> <p>What are the key challenges that humans would face while living on Mars, and how can Science help in overcoming them? (Paste pictures.)</p>
Sanskrit	<p>1. पोस्टर निर्माणम् + संस्कृत स्लोगनम् कार्यः – "Mission Mass" विषयक एकं पोस्टरं (चित्रफलकम्) निर्मायित। तस्मिन् संस्कृतनारेः (Sanskrit Slogans) प्रयोगः करणीयः। उदाहरणः – ❖ चित्रम् – वृक्षरोपणस्य दृश्यं। ❖ नाराः – "वृक्षाः जीवनस्य मूलम्।" "स्वच्छता सेवा च धर्मः।"</p>

*Happy Holidays!!!!*