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BGS Vijnatham School

STEP VII

SESSION: 2026-27

Theme: Weather and Heavenly Phenomena





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JOY OF LEARNING ASSIGNMENTS FOR SUMMER HOLIDAYS (2026-27) STEP VII

“The capacity to learn is a gift; the ability to learn is a skill; the willingness to learn is a choice.”

Holiday Homework is an attempt to enhance children’s imagination. Doing it in the right spirit with enthusiasm will make it a great learning experience.

Dear Parents,

Greetings of the day!

Holidays are the times that we all eagerly wait for. There is no doubt that vacations are the most appropriate time for students to refresh and rejuvenate themselves to showcase their performance more enthusiastically. Children have ample energy which needs to be channelized in the right direction to get the best out of them. Keeping this in mind, the holiday homework has been designed to make them more observant and confident.

This year, your holiday homework is a mix of all the fun aspects of learning. It has been designed to ensure that children enjoy and learn at the same time. Special care has been taken to ensure that they use their creativity, innovative ideas, and imagination to shape their holiday homework into fantastic ‘creations’. So, enjoy your holidays by spending quality time with your near and dear ones.

In addition to this:

- **Nurture your child’s interests** – be it art, music, dance, or anything else.
- **Train your child to become independent** in their daily chores.
- **Converse in English** with your child to build their confidence.
- **Teach them about nature**—knowledge about plants and trees is an integral part of a child's growth.
- **Share stories** about your childhood and your family history.

We wish you all a safe, happy, and memorable holiday!

General Instructions for Holiday Homework

1. Use clean A4-size sheets (ruled or plain as required). Write neatly and clearly.
2. Try to write in simple and well-organized sentences.
3. Add colourful drawings, pictures, charts, or sketches to make your work attractive and fun.
4. Keep each subject’s work in a separate transparent folder to keep it neat and safe.
5. Write your **Name, Roll Number, Subject and Class/Section** on the back page or last sheet of your project.
6. Complete your work on your own and submit it on time.
7. Enjoy learning, be creative, and give your best effort!

Learning Objectives:

- To encourage creativity and independent thinking.
- To improve writing, presentation, and organizational skills.
- To develop research and observation skills through fun activities.
- To enhance subject knowledge in an interesting and practical way.
- To build confidence, responsibility, and time management skills.
- To promote joyful learning through art, imagination, and exploration.



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ENGLISH

❖ Activity 1: The Night the Sky Danced

Write a story about a young child who witnesses a spectacular, glowing Aurora Borealis (Northern Lights) for the very first time. Describe the colors, the magical feeling, and the mystery of the night sky.

❖ Activity 2: The Shop of Stolen Weather

Write a story about a strange, hidden boutique that opens up in your town, selling jars of actual weather—like "Captured Thunderstorms," "Bottled Sunshine," or "Whirlwind in a Teacup." What happens when a curious customer accidentally breaks one of the jars?

❖ Activity 3: The Boy Who Spoke to the Storm

Write a story about an ordinary kid who suddenly wakes up with the bizarre ability to control the weather based on their emotions (e.g., crying brings rain, throwing a tantrum brings lightning). Describe their chaotic day trying to keep their feelings in check at school!

❖ Activity 4: Space Weather Reading Activity

Read the article carefully:

[Unknown Facts on Space Weather That Every Kid Should Know](https://olympiadtester.in/blogs/amazing-facts/unknown-facts-on-space-weather-that-every-kid-should-know?utm_source=chatgpt.com)

https://olympiadtester.in/blogs/amazing-facts/unknown-facts-on-space-weather-that-every-kid-should-know?utm_source=chatgpt.com

Then complete the following tasks:

Summary Writing

Write a summary of the article in about 500 words. Your summary should include:

- Meaning of space weather
- Solar storms and solar winds
- Auroras and their beauty
- Effects of space weather on Earth
- Importance of studying space weather

ENGLISH HOLIDAY HOMEWORK
THEME: WEATHER & HEAVENLY BODIES

1 THE NIGHT THE SKY DANCED
Write a story about a young child who witnesses a spectacular, glowing Aurora Borealis (Northern Lights) for the very first time. Describe the colors, the magical feeling, and the mystery of the night sky.

2 THE SHOP OF STOLEN WEATHER
Write a story about a strange, hidden boutique that opens up in your town, selling jars of actual weather—like "Captured Thunderstorms," "Bottled Sunshine," or "Whirlwind in a Teacup." What happens when a curious customer accidentally breaks one of the jars?

3 THE BOY WHO SPOKE TO THE STORM
Write a story about an ordinary kid who suddenly wakes up with the bizarre ability to control the weather based on their emotions (e.g., crying brings rain, throwing a tantrum brings lightning). Describe their chaotic day trying to keep their feelings in check at school!

4 SPACE WEATHER READING ACTIVITY
Read the article carefully: "Unknown Facts on Space Weather That Every Kid Should Know" (olympiadtester.in/blogs).
Then complete the tasks:
• Summary Writing (about 500 words)
• Word Meanings (10 new words)
• Sentences (5 sentences each using the words).

Note: The above image is for reference purposes only. Students may use their own creativity, ideas, illustrations, colours, and presentation styles while completing the holiday homework.



BGS Vijnatham School

विषय: हिन्दी

1. पुस्तक पठन एवं शब्दावली संवर्धन

DIKSHA ऐप या किसी अन्य पुस्तक स्रोत से हमारा सौरमंडल अथवा तारों भरा आकाश पढ़िए।

कार्य :-

- पुस्तक को ध्यानपूर्वक पढ़िए।
- पढ़ते समय मिले 20 नए शब्द चुनकर उनकी शब्दावली तैयार कीजिए।
- पुस्तक पढ़ कर उसमें से 10 से 15 लाइन लिखिए।

2. निम्नलिखित खगोलीय घटनाओं में से किसी एक (जो आपने देखा हो) के बारे में दूर रहने वाले अपने भाई या बहन को पत्र लिखिए। (जैसे- हमारे यहां सूर्य ग्रहण/ चंद्र ग्रहण ऐसा दिखाई दिया आपके वहां कैसा दिखाई दिया)

- सूर्य ग्रहण
- चंद्र ग्रहण
- उल्कापात
- इंद्रधनुष
- धूमकेतु
- तारों का टूटना

4. कहानी लेखन

“यदि मैं चाँद पर जाता/जाती...” विषय पर 150 शब्दों की कल्पनात्मक कहानी लिखिए।

4. पोस्टर निर्माण

“जलवायु परिवर्तन का प्रभाव” या “प्रकृति बचाओ” विषय पर आकर्षक पोस्टर बनाइए।

ग्रीष्मावकाश गृहकार्य
विषय: मौसम और खगोलीय घटनाएँ

1. पुस्तक पठन एवं शब्दावली संवर्धन
DIKSHA ऐप या किसी अन्य पुस्तक स्रोत से हमारा सौरमंडल अथवा तारों भरा आकाश पढ़िए।
कार्य :-
● पुस्तक को ध्यानपूर्वक पढ़िए।
● पढ़ते समय मिले 20 नए शब्द चुनकर उनकी शब्दावली तैयार कीजिए।
● पुस्तक पढ़ कर उसमें से 10 से 15 लाइन लिखिए।

2. पत्र लेखन (किसी एक खगोलीय घटना पर)
निम्नलिखित खगोलीय घटनाओं में से किसी एक (जो आपने देखा हो) के बारे में दूर रहने वाले अपने भाई या बहन को पत्र लिखिए। (जैसे- हमारे यहां सूर्य ग्रहण/ चंद्र ग्रहण ऐसा दिखाई दिया आपके वहां कैसा दिखाई दिया)
● सूर्य ग्रहण
● चंद्र ग्रहण
● उल्कापात
● इंद्रधनुष
● धूमकेतु
● तारों का टूटना

3. कहानी लेखन
“यदि मैं चाँद पर जाता/जाती...” विषय पर 150 शब्दों की कल्पनात्मक कहानी लिखिए।
चाँद पर कैसा होगा?
वहाँ कि लोग कैसे रहेंगे?
के क्या-क्या देखेंगे/देखेंगी?

4. पोस्टर निर्माण
“जलवायु परिवर्तन का प्रभाव” या “प्रकृति बचाओ” विषय पर आकर्षक पोस्टर बनाइए।
प्रकृति बचाओ
भविष्य बचाओ

नोट: ● सभी कार्य बस करें। ● साफ-सुथरी लिखावट में कार्य करें। ● चित्र, रंगों और वाक्यांश का प्रयोग करें। ● समय पर और पूरे कार्य जमा करें।

नोट: ऊपर दिया गया चित्र केवल संदर्भ हेतु है। विद्यार्थी अपनी रचनात्मकता, विचारों, चित्रों, रंगों तथा प्रस्तुति शैली का उपयोग करते हुए अवकाश गृहकार्य को सुंदर एवं आकर्षक तरीके से पूर्ण कर सकते हैं।



BGS Vijnatham School

MATHEMATICS

Aim: To understand the connection of Mathematics with weather conditions, daylight, wind, and natural phenomena.

Activity 1 – Temperature Record

Record the maximum temperature of your city for 7 days.

Mon Tue Wed Thu Fri Sat Sun

– – – – – – –

Find:

1. Highest temperature
2. Lowest temperature
3. Average temperature
4. Draw a bar graph of daily temperatures.

Activity 2 – Wind Speed Observation

Record the wind speed of your city for 5 days.

Mon Tue Wed Thu Fri

– – – – –

Find:

1. Highest wind speed
2. Lowest wind speed
3. Difference between the highest and lowest wind speed
4. Draw a line graph.

Activity 3 – Sunrise and Sunset Time

Record sunrise and sunset timings for 5 days.

Day Sunrise Sunset

1	–	–
2	–	–
3	–	–
4	–	–
5	–	–

Find:

1. Daylight hours for each day
2. Day with maximum daylight.
3. Arrange the days in increasing order of daylight hours

Activity 4 – Research on Tornadoes

Research about tornadoes and collect data for any 5 countries where tornadoes occur frequently. Make a table

Country	Average Tornadoes Per Year.	Maximum Wind Speed
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Answer the following:

1. Which country has the highest number of tornadoes?
2. Which country recorded the highest wind speed?
3. Total number of tornadoes in all countries
4. Calculate the new speed if wind speed increases by 15 km/h in any country.

MATHS HOLIDAY HOMEWORK

ACTIVITY 1 - TEMPERATURE RECORD

Record the maximum temperature of your city for 7 days.

Mon	Tue	Wed	Thu	Fri	Sat	Sun
—	—	—	—	—	—	—

Find:

1. Highest temperature
2. Lowest temperature
3. Average temperature
4. Draw a bar graph of daily temperatures.

Daily Temperature (°C)

50							
40							
30							
20							
10							
0							
	Mon	Tue	Wed	Thu	Fri	Sat	Sun

ACTIVITY 2 - WIND SPEED OBSERVATION

Record the wind speed of your city for 5 days.

Mon	Tue	Wed	Thu	Fri
—	—	—	—	—

Find:

1. Highest wind speed
2. Lowest wind speed
3. Difference between the highest and lowest wind speed
4. Draw a line graph.

Wind Speed (km/h)

50					
40					
30					
20					
10					
0					
	Mon	Tue	Wed	Thu	Fri

ACTIVITY 3 - SUNRISE AND SUNSET TIME

Record sunrise and sunset timings for 5 days.

Day	Sunrise	Sunset
1	—	—
2	—	—
3	—	—
4	—	—
5	—	—

Find:

1. Daylight hours for each day
2. Day with maximum daylight.
3. Arrange the days in increasing order of daylight hours.

Daylight Hours = Sunset Time - Sunrise Time

ACTIVITY 4 - RESEARCH ON TORNADOES

Research about tornadoes and collect data for any 5 countries where tornadoes occur frequently. Make a table.

Country	Average Tornadoes Per Year	Maximum Wind Speed (km/h)
1.		
2.		
3.		
4.		
5.		

Answer the following:

1. Which country has the highest number of tornadoes?
2. Which country recorded the highest wind speed?
3. Total number of tornadoes in all countries.
4. Calculate the new speed if wind speed increases by 15 km/h in any country.

Note: The above image is for reference purposes only. Students may use their own creativity, ideas, illustrations, colours, and presentation styles while completing the holiday homework.





BGS Vijnatham School

SCIENCE

TASK 1: HEAVENLY BODIES AND KUMBH MELA

Name the Heavenly Bodies Used to Decide the Date of Kumbh Mela

1. _____
2. _____
3. _____

Q. 1 How is Astronomy Connected to Kumbh Mela?

Students need to research and fill in the given table:

Kumbh Place	Month/Season	Weather Conditions	Why is this weather suitable for Kumbh?
Prayagraj			
Haridwar			
Nashik			
Ujjain			

Q.2 Why is Kumbh Mela held in different seasons at different places?

Q.3 Why is weather important during large gatherings like Kumbh Mela?

Q.4 What problems can happen during heavy rainfall or storms?

TASK 2: SKY OBSERVATION ACTIVITY

Students will observe the sky for one week at 7:00pm every day for understanding different phases of moon and note down the observations in the given table:

Day	Moon Shape	Weather	One Thing I Noticed
1			
2			
3			
4			
5			
6			
7			

Task 3: Sky Gazing and Constellation Creation

Students will observe the night sky regularly for one week during the holidays and create a model/chart of any one constellation using their creativity.

Instructions:

1. Observe the night sky for at least 15–20 minutes daily for one week.
2. Identify and choose one constellation (example: Orion, Ursa Major, Cassiopeia, etc.).

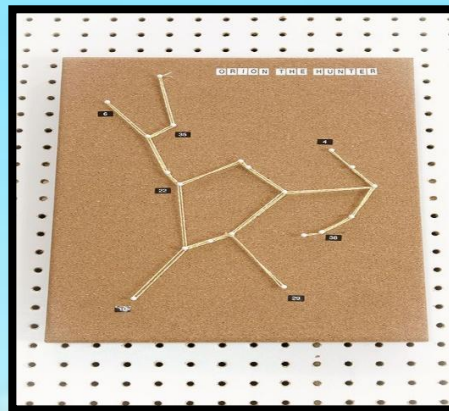
3. Prepare a creative model/chart showing the constellation pattern.

4. Reference picture:

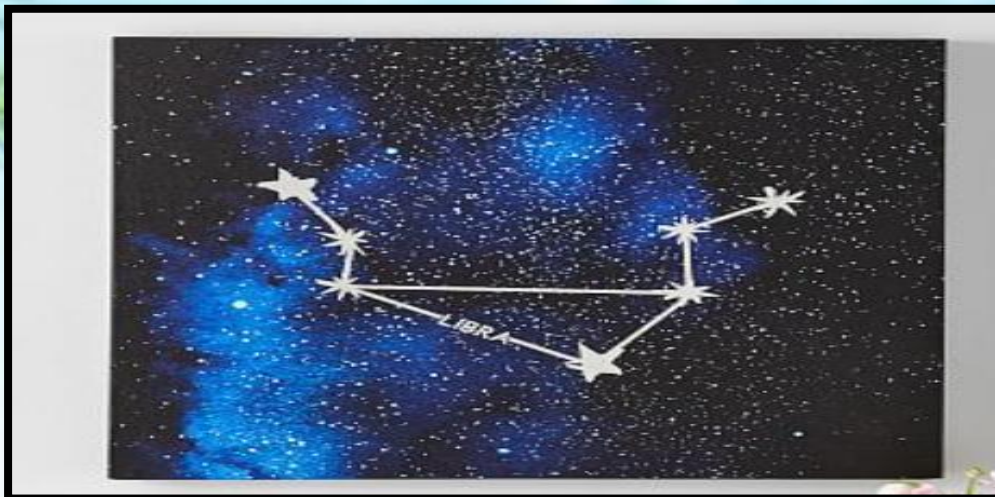
a) LED version



b) Strings and pin version



c) Constellation with paint



Students may use:

- LED lights
- Wires
- Battery
- Cardboard or chart paper
- Paints and colours
- Glitter, stickers, cotton, etc.
-

Creativity Ideas:

Students can use any of the following ideas-

- Make the stars glow using LEDs and a battery.
- Use fluorescent or glow paints on a dark chart paper.
- Create a 3D model using wires and beads.
- Label the important stars in the constellation.

Task 4: Festivals and Heavenly Bodies

To understand how the movement and position of heavenly bodies like the Sun and Moon are connected with important festivals around the world.

Instructions:

Choose any one Indian or foreign festival that depends on the position of heavenly bodies such as the Sun, Moon, or stars.

Examples:

- Diwali
- Eid
- Makar Sankranti
- Pongal
- Easter
- Chinese New Year

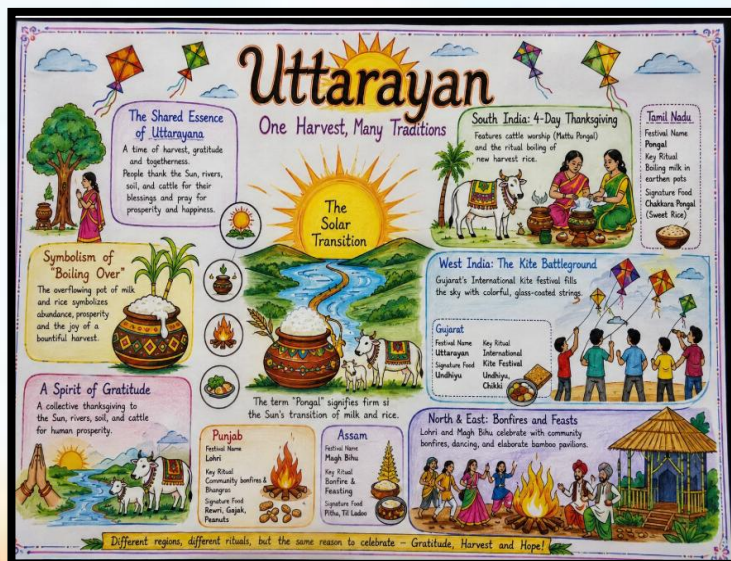
Students Have to:

Prepare one chart/scrapbook page showing:

- Name of the festival
- Heavenly body connected with it
- How the festival date is decided.
- How its celebrated in different states.
- Importance of the festival in different places and its connection with cuisines.

Creativity Ideas:

Students may use any pencil colours, crayons, pastel-coloured sheets and decorations to show their creativity. A picture is attached here for your reference.





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SOCIAL SCIENCE

Activity 1: Heavenly Bodies Explorer

Research on any **three** heavenly bodies such as:

- Moon
- Comets
- Asteroids
- Meteors
- Satellites

Write:

- Their characteristics
- Importance
- Interesting facts

Activity 2: Weather, Climate and Human Life

Explain how weather and climate affect human life.

Include:

- Impact on food, clothing, transport, and occupations
- Different climatic regions of India
- Natural disasters related to weather (cyclones, floods, droughts)

Creative Task:

Make a poster on “Protect Our Earth and Atmosphere”.

Activity 3: Space Scientists and Discoveries

Research on any **one** famous space scientists and astronauts such as:

- Kalpana Chawla
- Rakesh Sharma
- Sunita Williams
- Aryabhata

Write:

- Their achievements
- Contribution to space science
- Interesting facts about them

Creative Task:

Make a timeline of important space discoveries.

Activity 4: Types of Clouds

Draw and label different cloud types on a chart paper.

- Cirrus
- Cumulus
- Stratus
- Nimbus

Write:

- Their appearance



- Weather associated with them
- Importance in predicting weather

SOCIAL SCIENCE HOLIDAY HOMEWORK

EXPLORE • LEARN • CREATE • PROTECT

Activity 1: Heavenly Bodies Explorer

Research on any three heavenly bodies such as:

- Moon
- Comets
- Asteroids
- Meteors
- Satellites

Write:

- Their characteristics
- Importance
- Interesting facts

Moon

Earth's nearest satellite. Reflects sunlight and the moon's atmosphere. Important for life and balance of Earth's temperature. The Moon moves away from Earth 3.8 cm every year!

Comets

icy bodies that orbit the Sun. They have a glowing tail. Important clue about the early solar system. Interesting fact: Halley's comet appears once every 76 years!

Asteroids

Rocky objects smaller than planets that orbit the Sun. Important because they can tell us about the beginning of our solar system. Interesting fact: There is an asteroid belt between Mars and Jupiter!

Activity 2: Weather, Climate and Human Life

Explain how weather and climate affect human life.

Impact on:

- Food: Good climate helps grow crops.
- Clothing: We wear different clothes in different seasons.
- Transport: The way we can go from one place to another.
- Occupations: Farmers, fishermen, laborers are dependent on climate.

Creative Task: Make a poster on "Protect Our Earth and Atmosphere".

Activity 3: Space Scientists and Discoveries

Research on any one famous space scientist and astronaut such as:

- Kalpana Chawla
- Rakesh Sharma
- Sunita Williams
- Aryabhata

Write:

- Their achievements
- Contribution to space science
- Interesting facts about them

Creative Task: Make a timeline of important space discoveries.

1957: Launch of Sputnik 1
1969: Moon landing (Apollo 11)
1991: Russia Space Shuttle
2011: Curiosity Rover on Mars
2020: James Webb Space Telescope

Activity 4: Types of Clouds

Draw and label different cloud types on a chart paper.

Cirrus	Cumulus	Stratus	Nimbus
Appearance: Thin, wispy, feathery clouds high in the sky. Weather: Fair weather. Importance: Indicates change in weather.	Appearance: White, fluffy clouds like cotton balls. Weather: Fair weather, but can grow into rain clouds. Importance: Helps predict rain.	Appearance: Flat, layered clouds covering the sky. Weather: Cloudy, may bring light rain or fog. Importance: Indicates stable moisture.	Appearance: Dark, thick rain clouds. Weather: Rain, snow, thunderstorms. Importance: Brings precipitation.

Note: The above image is for reference purposes only. Students may use their own creativity, ideas, illustrations, colours, and presentation styles while completing the holiday homework.





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COMPUTER

Heavenly Phenomena Digital Poster

Topic Options:

Choose any ONE:

- Solar Eclipse
- Lunar Eclipse
- Rainbow
- Northern Lights
- Shooting Stars
- Phases of the Moon

Instructions:

1. Design a digital poster using:
 - Canva
2. Poster should contain:
 - Title
 - Pictures
 - 5–6 facts
 - Suitable colours and borders
3. Use A4 size layout.

NOTE: Kindly use Canva within the Codju app.





॥ Jai Sri Gurudev ॥
Sri Adichunchanagiri Shikshana Trust (R.)

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ART & CRAFT

Draw and colour Mahubani painting on any waste glass jar or bottle, decorate it using gota, laces, jute rope.





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Submission Details

- **Submission Date:** Tuesday, June 30, 2026
- **Format:** All tasks must be compiled into a single, neatly labelled folder or project file. Ensure the student's name, class, section, and roll number are clearly visible on the cover page.
- **Authenticity Note:** The work must be original and handwritten by the student. Printed text is only permitted for captions, headings, or source materials (maps, images).

Assessment Rubric (Total: 10 Marks)

Assessment Criteria (10 Marks Rubric)

Criteria	Marks
Content Accuracy & Understanding	2 Marks
Creativity & Originality	2 Marks
Presentation & Neatness	2 Marks
Completion of All Activities	2 Marks
Effort, Organisation & Timely Submission	2 Marks

“Learning is not limited to classrooms; it grows through curiosity, creativity, and exploration. Enjoy your holidays, discover new ideas, and return with wonderful experiences and knowledge!”

