



**BISHOP SCOTT BOYS' SCHOOL**

# **SUMMER VACATION ASSIGNMENT**



*Date of Submission*

**22-06-2026**

*Session: 2026–2027*

# Teacher's Note

Dear Parents,

Teachers and parents both play an equally important role in shaping a child's learning journey. At school, teachers guide, support, and nurture students by helping them understand concepts and develop essential skills. At home, parents observe, encourage, and reinforce these learnings, creating a balanced environment for growth. This strong partnership between school and home ensures that students feel supported, confident, and motivated in all aspects of their education.

Keeping this in mind, holiday homework has been thoughtfully designed to help students remain connected with their studies during the summer break. It provides an opportunity for children to revise what they have learned, apply their knowledge in practical ways, and reflect on their understanding. Through these activities, students can explore their creativity, strengthen their skills, and become more independent learners. With your continued support and encouragement, we hope this vacation will be both enjoyable and enriching for your child.



## **SUBJECT : SOCIAL SCIENCE**

- 1) What are natural resources? Give examples.
- 2) Classify natural resources into renewable and non-renewable with examples.
- 3) How are natural resources useful to human beings? Explain briefly.
- 4) What is conservation of natural resources? Why is it important?
- 5) List any three ways to conserve water and forests.
- 6) What are the harmful effects of overusing natural resources on the environment?
- 7) Differentiate between early medieval period and later medieval period
- 8) What is Jauhar?
- 9) Write a short note on the administration of Delhi sultanate.
- 10) Write a short note on the 'Mansabdari system'.
- 11) Who were the Ahoms?
- 12) Compare the political strategies of Delhi sultanate and the Mughals.
- 13) What do you understand by the term 'Universal Adult Franchise' ? Why it is important for a healthy democracy?
- 14) What is a Model code of conduct (MCC)?
- 15) Difference between Unicameral and Bicameral legislatures.
- 16) How is the election of members to the Lok Sabha different from that to the Rajya Sabha?

### **SUBJECT : SOCIAL SCIENCE PORTFOLIO QUESTIONS**

- Q1. Find out the total number of seats in the Bihar Assembly and the majority required to form a government.
- Q2. Research the main political alliances that participated in the 2025 Bihar election. What were their key promises to the people?
- Q3. What was the voter turnout in the 2025 Bihar elections? What does it show?
- Q4. What is the Election Commission of India? When was the Election Commission of India established?
- Q5. Explain the concept of Universal Adult Franchise in your own words. Why is Universal Adult Franchise important in a democracy like India?

### **HISTORY**

- Worksheet 1 : Medieval Period: Rise of new Kings and Kingdoms  
Worksheet 2 : Delhi Sultanate and Mughal Empire  
Worksheet 4 : Towns, Trades and Tribal communities  
Worksheet 5 : Emergence of New Religions, Art and Culture

### **GEOGRAPHY**

- Worksheet 12 : Human Environment

### **CIVICS**

- Worksheet 14 : Governance in States and Union Territories

❖ **NOTE : WORK TO BE DONE ON A4 SHEETS.**

## SUBJECT : HINDI

- 1) चित्रों जैसी लिपि चिह्न किस भाषा के हैं ? इस विशेषता के कारण इसे और किस नाम से जाना जाता है ?
- 2) वर्णों के उच्चारण स्थान को दर्शाते हुए एक चित्र बनाइए।
- 3) उत्पत्ति या स्रोत के आधार पर शब्द भेद को सोदाहरण परिभाषित करें।
- 4) संज्ञा को परिभाषित करें तथा जातिवाचक संज्ञा, सर्वनाम, विशेषण, क्रिया अव्यय से दो-दो भाववाचक संज्ञा बनाइए।
- 5) दैनिक समाचार पत्र से कोई चित्र काटकर A4 साइज पेपर पर चिपकाएँ और उसमें संज्ञा के रूपों को दर्शाएँ।
- 6) 'कोई नहीं पराया' कविता में कवि ने 'वसुधैव कुटुंबकम' के जिस भारतीय दर्शन की बात की है ? क्या आप उससे सहमत हैं।
- 7) आज के युग में चापलूसी करना व्यक्ति का गुण माना जाता है या अवगुण तर्क सहित उत्तर दें।
- 8) क्या किसी का पहनावा उसके सभ्य होने की पहचान होती है ? सभ्य व्यक्तियों को कैसे पहचाना जा सकता है ?
- 9) शाकाहार स्वास्थ्य के लिए कितना आवश्यक है ? तर्कपूर्ण उत्तर लिखें।
- 10) डॉ चंद्रा की माँ ने अपने कर्तव्यों का निर्वहन किया है ? इनके चरित्र से हमें क्या प्रेरणा मिलती है ?
- 11) 'कोशिश करने वालों की कभी हार नहीं होती' प्रस्तुत पंक्ति को आधार बनाकर एक मौलिक कहानी लिखिए।
- 12) भारत में विभिन्नता में एकता का क्या अर्थ है ? तर्कपूर्ण उत्तर दीजिए।
- 13) प्राकृतिक सौंदर्य का दृश्य बनाकर उसका वर्णन अपने शब्दों में कीजिए।
- 14) व्यक्ति अपनी शिष्टता का परिचय किस प्रकार देता है ? उदाहरण के साथ लिखिए।
- 15) 'पोलियो उन्मूलन अभियान' विषय पर लगभग 100 शब्दों में अनुच्छेद लिखिए।

### ➤ **वर्कशीट -**

- \* वर्ण विचार पृष्ठ संख्या - 3
- \* शब्द विचार पृष्ठ संख्या - 4
- \* अपठित अवबोध पृष्ठ संख्या - 29
- \* अनुच्छेद लेखन पृष्ठ संख्या - 31
- \* रचनात्मक अभिव्यक्ति - चित्र लेखन

## SUBJECT : SANSKRIT

1. 'पापनाशिनी नद्याः' विषये पञ्च वाक्यानि लिखत ।
2. 'मङ्गलाचरणम्' स्मरणं कृत्वा अर्थं लिखत ।
3. व्यायामेन किं-किं भवति?
4. स्वस्थाः छात्राः कीदृशाः भवन्ति?
5. परमानन्दं प्राप्य राजा किम् अवदत्?
6. महापापी यदि स्नानं करोति तर्हि किं भवति?
7. न काष्ठे विद्यते देवो न पाषाणे न मृण्मये ।  
भावे हि विद्यते देवस्तस्माद् भावो हि कारणम् ॥  
श्लोकस्य अन्वयः लिखत ।
8. स्वस्थ शरीरं विषये 5 वाक्यानि लिखत ।
9. योगासनस्य 5 मुद्राः/ चित्राणि वा आसनानां भित्तिचित्रं (चार्ट) रचयत ।
10. स्वराः(अच्) माध्यमेन पदनिर्माणं कुरुत ।
11. शब्दरूप- राजन्, विद्वस्, भवत्, बालक, लता, मुनि स्मरणं कृत्वा लिखत ।
12. सर्वनामरूप- अस्मद्, युष्मद्, तत्, इदम्, किम् (तीनों लिंगों) स्मरणं कृत्वा लिखत ।
13. धातुरूपाणि- चल्, वद् (पाँचों लकार में) स्मरणं कृत्वा लिखत ।
14. संख्यावाचक शब्द 1-30 संस्कृते लिखत स्मरत च ।
15. क्त्वा, ल्यप्, तुमुन् प्रत्ययान् 5-5 उदाहरणानि लिखत ।

नोट : अवकाश कार्य गृहकार्य पुस्तिका में बनाएँ ।

## PORTFOLIO

सामान्य निर्देश :

अवकाश कार्य गृह कार्य पुस्तिका में बनाएँ ।

1. संस्कृत महाकवि कालिदास के जीवन परिचय को सचित्र लिखें ।
2. ' भावे हि विद्यते देवः' पाठ के आधार पर श्लोक को अर्थसहित लिखें ।
3. आर्यभट्ट के द्वारा रचित ' आर्यभटीयम्' से 5 सिद्धांतों को लिखें ।
4. स्वच्छता के लिए दिए गए सुझावों को चित्र द्वारा प्रस्तुत कर उसके बारे में लिखें ।
5. जीवन में उपयोग होनेवाले 10 दैनिक वस्तुओं को सचित्र संस्कृत में लिखें ।

## **SUBJECT : SCIENCE**

1. Food : Worksheet 1-2
2. Material in Daily Life : Worksheet 1-2
3. Physical and Chemical Changes : Worksheet 1-3
4. Weather , Climate and Adaptations : Worksheet 1-2
5. Respiration in Organisms : Worksheet 1-2
6. Transportation in Plants and Animals : Worksheet 1-2
7. Reproduction in Plants : Worksheet 1-2

- 1) Write atleast four points of difference between plant and animal cell.
- 2) What are plastids? Name its 3 types.
- 3) Explain the difference between prokaryotic and eukaryotic cell with the help of well labelled diagram.
- 4) Write about four different parts of Nucleus.
- 5) Write down the function of following:
  - (i) Nucleus
  - (ii) Mitochondria
  - (iii) Golgi bodies
  - (iv) Endoplasmic reticulum
- 6) Explain the role of microorganism in fixing the atmospheric nitrogen.
- 7) Suppose you have to do a sustainable business in future which idea from the chapter would you choose to research and implement. Give a brief account of your plan.
- 8) Which microorganisms are involved in making of:
  - (i) Instant idli
  - (ii) Traditional fermentation
- 9) How are microorganisms useful in medical field?
- 10) Name atleast 5 pathogenic microorganisms and disease caused by them.
- 11) Why is health considered a “multidimensional concept”? Explain with examples from physical, mental, and social aspects.
- 12) How does good health contribute to the progress and prosperity of society and how social relationships are connected to a person’s health ?
- 13) Why are chronic diseases considered more challenging to manage than acute diseases?
- 14) How did Dr. Maharaj Kishan Bhan contribute to improving child healthcare in India?
- 15) How bacteria became resistant to antibiotics?

### **PORTFOLIO**

- 1) In north Bihar (Kosi region), floods often contaminate drinking water sources.  
Question: Explain how this leads to outbreaks of cholera and diarrhoea. Suggest two scientific methods to make water safe at home.
- 2) In Bihar villages, cow dung is used as manure.  
Question: Explain how microorganisms help in converting waste into useful manure.
- 3) Draw well labelled and colourful diagram of Plant and Animal cell in A4 sheet one in each sheet.

**Note : All the questions should be done in your Science notebook and Portfolio to be done in Bio sheets that should be assembled in a stick file.**

## SUBJECT : ICT

### SECTION - A (Knowledge based questions)

1. What is computer network? Write the advantages computer network.
2. What are different types of computer network? Write about each.
3. What do you understand by network topology? Briefly define each. Draw diagram of each topology.
4. Define network protocol. Write about various types of protocols used for different operations on the Internet.
5. For what purpose is Krita software used? Write about different components of Krita.
6. Write about each of the tools used to edit images in Krita?
7. What is the purpose of using <IMG> tag? Write about the attributes of this tag.
8. What are different types of hyperlink? Which tag is used to create hyperlink?
9. Write about the attributes of <A> tag.
10. What are frames in HTML? How do we create frames in HTML?

### SECTION - B (Competency/Application based questions)

1. **Scenario:** An NGO is setting up a new office with four blocks: ADMIN, PSYCHIATRY, PSYCHOLOGY, and ICU.

**Question:** Suggest the most suitable topology and cable layout to connect these blocks, ensuring minimal cable usage and high reliability.

2. **Scenario:** A company needs to connect its head office in the USA with a branch office in Hyderabad.

**Question:** Which type of network (LAN, MAN, or WAN) is best suited to connect these two locations?

3. **Scenario:** Sanskar is making Mother's Day card for his mother. He wants to add his mother's photo on the card. He has his mother's photo with many other people.

**Question:** How can he remove other people's photos from the image.

4. **Scenario:** Ankur has visited his friend in USA. He has many pictures with his friends of different sites in USA. He wants to share his pictures with his friends but in a web format.

**Question:** Which tag should he use for this purpose?

5. **Scenario:** A developer wants to create a webpage for a school where the left 25% of the screen always displays a navigation menu, while the right 75% displays different pages like "Home" or "Gallery".

**Question:** Which tag and attribute can he use for this purpose?

### SECTION - C (PROJECT WORK)

1. Write code for “**Explore in the lab**” question given on page number 69 of the ICT text book.  
Paste screen shot of the output and code in the notebook and submit after summer vacation.

## **SUBJECT : ENGLISH**

**Ready To Step Up Worksheets :** Complete Lesson 1 to 10

Pull out Worksheets: Fill Worksheets- 1 to 5, 27, 28, 41, 42 and 53

**Gulmohar Language and Skills :** Do Worksheets 1 and 2

Vocabulary Enhancement: Use Dictionary to find out the meaning of the words given in Lesson 1, 2, 3, and 4. (Fill in Words Are Important book)

**Assignment Questions (Do in English HW Copy):**

1. In the poem, the poet wants to go to Innisfree to find peace. In the story, why does the narrator’s family end up in a state of "chaos" instead of peace?
2. The poet hears "lake water lapping." The narrator hears "footsteps." Contrast how these two different sounds make the characters feel (Calm vs. Scared).
3. Describe the "cabin" Yeats wants to build in 2 sentences. Then, describe the "dining room" where the ghost was heard in 2 sentences.
4. Grandfather lives in the past (Civil War). How is his "mental escape" different from the poet’s "mental escape" to Innisfree?
5. The poet uses "grey" for the city and "purple" for the island. What color would you use to describe the night the "ghost" got in? Why?
6. If the Mother from the story met the Poet, what advice would she give him about living alone on an island?
7. If a ghost actually appeared in the quiet "bee-loud glade" of Innisfree, how do you think the poet’s feeling of peace would change?
8. Change these "Ghost" sentences into Passive Voice:  
The narrator heard footsteps.  
The mother threw a shoe.
9. Tense Transformation:  
Rewrite this "Innisfree" line in the Future Continuous Tense:  
"I hear lake water lapping." (Ans: I will be hearing...)
10. Adjective Search:  
Find 2 adjectives from the poem that describe nature and 2 adjectives from the story that describe the atmosphere of the night.
11. Conjunctions Junction:  
Join these sentences using because, but, or so:  
\* The poet wants peace. He moves to Innisfree.  
\* The police arrived. They did not find a ghost.
12. Identify if the sentence is Assertive, Interrogative, Imperative, or Exclamatory.
  1. "Go to Innisfree and build a cabin there!" (Identify the kind of sentence).
  2. "Was there really a ghost in the dining room?" (Identify the kind of sentence).

3. "What a terrifying night it was!" (Identify the kind of sentence).
13. Separate the Subject and the Predicate in the following sentences.  
The poet's mother threw a shoe through the window.  
The lake water lapped with low sounds by the shore.  
Nine bean-rows will be planted by the poet.
14. Identify the nouns and state their types (Proper, Common, Collective, or Abstract).  
"Peace comes dropping slow." (Identify the Abstract Noun).  
"A hive for the honey-bee." (Identify the Collective Noun).  
"James Thurber heard footsteps in the dark." (Identify the Proper Noun).
15. Fill in the blanks with suitable Pronouns.  
The narrator heard a noise; \_\_\_ (Personal Pronoun) thought it was a ghost.  
The poet wants to live by \_\_\_ (Reflexive Pronoun) in the glade.  
"These are the footsteps of a ghost," said Thurber. (Identify the Demonstrative Pronoun).  
Apply your knowledge to the text.
16. Sentence Construction: Write one Interrogative sentence you would ask the poet about his island.
17. Noun to Pronoun: Replace the underlined noun with a pronoun: "The police broke into the house."
18. Subject Identification: In the sentence "In the deep heart's core, I hear it," identify the Subject.
19. Punctuate the following sentence correctly based on the dialogue in "The Night the Ghost Got In":  
mother shouted what is it are there burglars in the house james
20. Join the following two sentences using a Relative Pronoun (who, which, that, or where):  
Yeats wants to go to Innisfree. It is a peaceful uninhabited island.  
The grandfather was a brave man. He thought the police were deserting soldiers

### PORTFOLIO QUESTIONS

- A. Bihar has made significant contributions to India's freedom struggle. Research and prepare a short profile (10–12 lines) on any one of the following leaders from Bihar:  
Dr. Rajendra Prasad  
Jayaprakash Narayan  
Kunwar Singh  
Your profile must include: their early life, contribution to the freedom movement, and what value or lesson you draw from their life.
- B. Bihar celebrates many unique festivals such as Chhath Puja, Sonepur Mela, and Sama-Chakeva. Choose any one festival and create a Festival Fact File that includes:  
When and where it is celebrated  
The tradition or ritual involved  
Its importance to the people of Bihar  
A short poem or slogan (2–4 lines) celebrating that festival (in English)
- C. Imagine you are the editor of your school's monthly newsletter. Write a short article (120–150 words) on the topic:  
"How can students make their school a greener and cleaner place?"  
Your article must include:  
An interesting headline

At least one complex sentence and one compound sentence (underline them)  
Use of modal verbs (can, should, must, could) — at least two  
A concluding line that motivates your fellow students

D. Choose any ONE of the following writing prompts and write a short story (150–200 words):

Option A: "The day I found a mysterious old letter in the school library..."

Option B: "A robot joins our class as a new student..."

Option C: "The last tree in the city speaks..."

Your story must include:

A clear beginning, middle and end

At least one dialogue

Descriptive language — use at least two adjectives and one simile

A meaningful message or moral

After writing: Give your story a creative title and design a small thumbnail sketch (a simple drawing) of your favourite scene from the story.

E. You are Aryan, a student of Class 8, Sunrise Public School, Patna. Complete any ONE of the following:

**Option A — Letter Writing:**

Write a formal letter to your school principal requesting the organisation of an inter-class debate competition on the topic "Books are better than screens." Follow the correct letter format.

**Option B — Notice Writing:**

Your school's Eco Club is organising a Plantation Drive on the school grounds. Write a notice (not more than 50 words) to be put up on the school board informing students about it. Include — date, time, venue and contact person.

**Option C — Email Writing:**

Write an email to your class teacher informing her/him that you could not submit your project on time due to illness, and requesting a two-day extension. Use correct email format — Subject, Salutation, Body, Closing.

❖ **(Do in A4 sheets, assembled in a Stick file)**

# SUBJECT : MATHEMATICS

Q1. Find the value of:

$$\sqrt{11025} + \sqrt{2304} - \sqrt{9801}$$

Q2. Find: (i) The greatest perfect square less than 1000

(ii) The smallest perfect square greater than 1000

Q3. Find the number of perfect squares:

(i) Between 200 and 500

Q4. 7056 saplings are planted in such a way that No. of row = saplings in each row.

(i) Find the number of rows

(ii) Find saplings in each row

Q5. Find the smallest number by which 9408 must be multiplied to make it a perfect square. Also find the square root of the product.

Q6. Find the smallest square number divisible by:

(i) 4, 9, and 10

(ii) 6 and 15

Q7. Which is greater:

(i)  $3^8$  or  $8^3$

(ii)  $100^4$  or  $1000^2$

Q8. Find the cube root of 421875

Q9. Write all perfect cubes between:

(i) 500 and 1000

(ii) 100 and 500

Q10. Find the least number by which the following must be multiplied to make a perfect cube:

(i) 23328

(ii) 432

Q11. Express in prime factorization (exponential form):

(i) 32400

(ii) 9408

Q12. Write in standard (scientific) form:

(i) 200 million

(ii) 58 billion

Q13. Simplify:

i)  $(93)^2$  using identity  $(a+b)^2$

ii)  $(105)^2$  using identity  $(a-b)^2$

Q14. A digital lock has 6 slots with letters A-E and digits 1-5.

(i) How many passwords are possible?

(ii) If repetition is not allowed, how many passwords are possible?

Q15. (Ready to Step up) -

Chapter 5 : Exponents and Powers

Worksheet - 1 and 2

## GRADE - 8 MATHEMATICS : PORTFOLIO (HOLIDAY HOMEWORK)

### **Theme: Mathematics in Daily Life**

Topics:

1. Exponents and Powers
2. Squares and Square Roots
3. Cubes and Cube Roots

1. Introduction:

Write 8–10 lines on the importance of Mathematics in daily life and how these topics are useful.

2. Concept Explanation:

For each topic:

- Define the concept
- Give 2 real-life examples
- Solve 2 questions with steps

3. Activity Section (Any one):

- Verify laws of exponents
- Find square roots from 1–20
- Table of cubes from 1–10

4. **Portfolio Question (Integrated & Higher Thinking)**

a) In a village of Bihar, a development project is carried out to improve living conditions.

The number of solar panels installed in the village is given by  $2^6$ .

Find the total number of panels and explain how exponent helps in representing large numbers easily.

b) The area of a square playground built under the project is  $625 \text{ m}^2$ .

Find the length of one side and explain how square roots are useful in real-life measurements.

During a plantation drive, trees are planted in the form of a cube arrangement.

If the total number of trees is 729, find how many trees are planted along one edge.

What does this tell you about cube roots?

Compare the values of  $4^3$  and  $3^4$ .

Which one is greater and why? Explain your reasoning without just calculating.

Conclusion:

Write 5–6 lines about your learning.

### **Instructions:**

- Use A4 sheets
- Add cover page
- Maintain neatness
- Stick in File