

BRCM GYANKUNJ SCHOOL BAHAL
SUMMER HOLIDAY HOME WORK-2026
CLASS-XI(SCIENCE)

SUBJECT	ASSIGNMENT
ENGLISH	<p>NOTE:</p> <ol style="list-style-type: none"> 1. Do the assignments in English class work copy in neat hand. 2. Mention the date and the day. 3. Do your project work. 4. Worksheets assignments to be done in workbook itself. <p>Literature</p> <ol style="list-style-type: none"> 1. Revise all the lessons done in the class. 2. Read Deep Water and write the summary. <p>Writing skills</p> <ol style="list-style-type: none"> 1. You are RaghavKumar a resident of Gaurivihar New Delhi . New swings will be installed in the residential playground due to which the gates will be closed between 9:00 AM and 2:00 PM every day from 7th to 11th June 2026 .Draft a notice in about 50 words informing the residents of the same. 2. You are Sport Secretary of DAV Public School Udhampur. Draft a notice in not more than 50 words for your school noticeboard asking the students to give their names for participation in various events to be held on the Annual Sports Day of your school . Invent the details of the events. Sign as Lilita / Lalit Mishra. 3. You are Adi Sharma of Indra Nagar Nagar, Lucknow. Write a letter to the Editor of The Times of Indi, New Delhi about the misuse and poor maintenance of public park in your city. 4. National Cadet Corps is an organisation which not only inculcates discipline in the youth but also prepares them for the defence of the country. It also provides an opportunity to the students to participate in various other activities such as adventure culture etc.Write an article in 150 words on the need to make in NCC compulsory in all schools in the country. <p>WORKBOOK:</p> <p>Unit Assignments: 1,2,3,7,12 52,53, 60, 65,66</p> <p>PROJECT WORK</p> <ol style="list-style-type: none"> 5. Write speech in 150 words on any topic of your choice. To be done as discussed in the class.
HINDI	<p>निर्देश- यह सारा कार्य विद्यालय की प्रैक्टिकल फाइल में करना है।</p> <ol style="list-style-type: none"> 1- ग्रीष्मकालीन अवकाश में बीते दिनचर्या को संस्मरण के रूप में लिखिए । 2- प्रतिदिन समाचार पत्र पढ़कर मेंन हैडलाइंस को लिखकर उनका अपने शब्दों

में विश्लेषण कीजिए ।

MATHEMATICS

General Instructions

Write all work neatly in a separate homework notebook.

Revise formulas regularly.

Attempt the work independently.

Part A – Formula and Concept Work

1. Sets

Write and learn:

Types of sets,,Venn diagrams,,Operations on sets,De Morgan’s laws,Power set

Cartesian product

Activity-1

Prepare colourful Venn diagrams for:

Union of sets, Intersection of sets, Difference of sets

2. Relations and Functions

Write definitions with examples:

Relation ,Function, Domain, co-domain and range

Types of functions:

One-one, Many-one, Onto, Into

Activity-2

Draw arrow diagrams for different types of functions.

3. Trigonometric Functions

Write and learn:

Trigonometric ratios,Degree-radian conversion,Signs of trigonometric functions

Standard values table,Prepare a chart of standard values:

Special Activity-3, (A4 Size Sheet Work)

Trigonometry Formula Chart

Prepare one colourful, A4 size sheet containing all important trigonometry formulas neatly decorated with borders and diagrams.

Part B – NCERT Exercise Work

Chapter 1: Sets

Solve the following exercises from NCERT:

Exercise 1.1,1.2,1.3 and 1.4.

Chapter 2: Relations and Functions

Solve:

Exercise 2.1, 2.2

Chapter 3: Trigonometric Functions

Solve:

Exercise 3.1, 3.2 and 3.3

Part C – Project Work

Activity File

Prepare a small project (5–6 pages) on any ONE topic:

Applications of Trigonometry in Daily Life,,Real Life Examples of Sets

Functions in Computer Science

Include:

Introduction,Diagrams/Pictures,Examples and Conclusion

Part D – Mental Mathematics

Learn:

Tables from 2 to 25

Squares from 1 to 30

Cubes from 1 to 15

	<p>Holiday Challenge Attempt any 10 HOTS (Higher Order Thinking Skills) questions from the first three chapters. Teacher’s Note “Mathematics develops logical thinking and problem-solving ability. Practice regularly and maintain neat work.” Happy Holidays and Happy Learning!</p>																									
PHYSICS	Write the Dimension formula of 60 Physical Quantities in your physics notebook.																									
CHEMISTRY	<ol style="list-style-type: none"> 1. Do 50 numericals based on Mole Concept, Molar Mass, Percentage Composition, Empirical & Molecular Formula, and Stoichiometry. 2. Complete all NCERT Intext Questions and NCERT Exercise Question Answers from Chapter 1: Some Basic Concepts of Chemistry. 3. Use a separate chemistry notebook/file and write all steps clearly with proper units. 4. Maintain neat and systematic work. 5. Submit the homework after summer vacation. 6. Viva may be conducted based on homework. 																									
BIOLOGY	<p style="text-align: center;">Unit 1: Diversity in the Living World</p> <p>General Instructions</p> <ol style="list-style-type: none"> 1. Complete all work neatly in a separate Biology holiday homework notebook/file. 2. Use blue/black pen for writing and colored pencils for diagrams. 3. Draw labeled diagrams wherever required. 4. Submit the homework on the first working day after vacation. 5. Maintain proper index and page numbers. 6. Include real-life examples wherever possible. 7. Avoid copying directly from guidebooks or websites. <p>Activity Work Activity: Microorganism Study Chart Prepare a colorful chart/model showing:</p> <table border="0" style="width: 100%;"> <tr> <td>• Bacteria</td> <td>Virus</td> <td>Fungi</td> <td>Protozoa</td> <td>Algae</td> <td>Mention:</td> <td>Structure</td> <td>Diseases cause</td> </tr> <tr> <td colspan="8">• Useful applications</td> </tr> </table> <p>Project Work Project Topic: “Biodiversity Around Us” Prepare a detailed project (8–10 pages) including:</p> <p>Suggested Content</p> <table border="0" style="width: 100%;"> <tr> <td>1. Introduction to biodiversity</td> <td>2.Types of biodiversity</td> <td>3Importance of biodiversity</td> </tr> <tr> <td>4.Biodiversity in India</td> <td>5.Threats to biodiversity</td> <td>6.Conservation methods</td> </tr> <tr> <td>7.Local biodiversity observations</td> <td>8.Conclusion</td> <td></td> </tr> </table> <p>Project Requirements</p> <ul style="list-style-type: none"> • Cover page • Acknowledgement • Index 	• Bacteria	Virus	Fungi	Protozoa	Algae	Mention:	Structure	Diseases cause	• Useful applications								1. Introduction to biodiversity	2.Types of biodiversity	3Importance of biodiversity	4.Biodiversity in India	5.Threats to biodiversity	6.Conservation methods	7.Local biodiversity observations	8.Conclusion	
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	<ul style="list-style-type: none"> • Hand-drawn diagrams/pictures • Newspaper clippings or photographs (optional) <p>Creative Task</p> <p>Make any ONE of the following:</p> <ul style="list-style-type: none"> • 3D model of bacterial cell • Flowchart of five kingdom classification • Poster on “Save Biodiversity” • Scrapbook of medicinal plants <ul style="list-style-type: none"> • prepare 20 different types of questions from each chapter <p>a) The living world .</p> <p>b) Biological classification</p> <p>c) plant kingdom</p> <p>d) Animal kingdom</p>
CS	<p>1. (1) Write 10 Python Programs in a Practical File.</p> <ul style="list-style-type: none"> a) 2 program of variable and data type (int,float,str) b) 2programs of if. c) 2programs of if-else. d) 2programs of if -elif-else. e) 2 program of for loop.