



Baselios Public School
Managed by the trust of the society of St. Basil
Academic Year 2026-27
Holiday Assignment - Grade-1 to 12

Grade – 01

Subject	Holiday Home work
English	1. Write and learn the A-to-Z alphabet song. Practice it daily so that you can recite it confidently. 2. Make a creative and colourful project on “Noun”.
Hindi	प्रिय बच्चों, अपने परिवार के लोगों के बारे में 4-5 सरल वाक्यों में लिखिए। - परिवार के साथ अपनी एक या दो फोटो चिपकाइए। - इसे एक सुंदर बुकलेट (Booklet) के रूप में तैयार कीजिए।
EVS	1. Project on waste segregation: Make two small bins – Dry Waste and Wet Waste. Put the correct waste items in each bin. Explain your model in a short video. Send the video and photo to the teacher. 2. Make a colourful and informative project on different types of plants around us using A1 chart paper.
Maths	1. Paste pictures of different objects around us on a chart paper that resemble the shapes – circle, square, triangle, rectangle, and cone. 2. Create beautiful patterns and pictures using thumb and finger impressions. You can make animals, birds, flowers, trees, insects, or any creative design using different colours. Make a neat presentation on A2 chart paper.
Gujarati	અ થી અ: સ્વરના ચિત્ર લગાવી સ્વર લખો.
Computer	1. Name any 5 machines we use at home. (Do it in your computer notebook) 2. Write any three places where computers are used. 3. Draw and label any two parts of a computer on A4 size paper.

Art and Craft	* Make any three creative crafts using origami paper

Grade – 02

English	• Make a creative booklet of beautiful places from Jammu and Kashmir to Kanyakumari that you would like to visit. Write the names of the places and decorate your booklet with colors and pictures. • Make a creative and colorful project on “Noun” using chart paper. Include examples and decorate it neatly.
Hindi	• अपनी दादी पर पाँच पंक्तियाँ लिखिए। (ध्यान रहे कि ये पंक्तियाँ पुस्तक से अलग होनी चाहिए।) • दादी का एक सुंदर चित्र बनाइए। • सभी कार्य चार्ट पेपर पर साफ-सुथरे तरीके से लिखें।
EVS	• Make a bird feeder to help birds in this hot summer. Place it in a safe spot and keep food and water for the birds. Click photos and share them in the group. • Make a creative project on “Neighbourhoods Places” using chart paper.
Maths	• Kashmir House with Shapes: Make a creative and beautiful Kashmir house using different shapes on chart paper. Use triangle, square, rectangle, and circle shapes. Count the shapes and write their numbers. Colour the picture neatly and write a few lines about your house. • Make your own balance using a hanger, paper cups, and thread. Compare the weight of different objects available around you (such as eraser, pencil, spoon, toy, etc.). Observe which object is heavier or lighter and note down your observations.
Gujarati	• બે, ત્રણ, ચાર અક્ષર વાળા માત્રા વગરના શબ્દો લખો. પ્રોજેક્ટ પેપરમાં લખો.
Computer	• Cut and paste pictures of places where computers are used.(Do this in your notebook)

	• Draw a robot friend and right 3 lines about it.(Do this in your notebook)
Art & Craft	• Make any three creative crafts using origami papers.

Grade – 03

Science	1. Collect fallen leaves and flowers from around your house or garden. Using these natural materials, create different animal shapes such as a butterfly, fish, bird, lion, turtle, etc. on a A2 chart paper You may visit the “Leaf Zoo” by Arvind Gupta website for creative ideas and inspiration. 2. Students are encouraged to use their imagination and creativity to prepare a colourful and creative Mela theme on a chart paper. Children can draw and decorate different scenes of mela such as a food stalls, toy shop, balloons, people enjoying lights, games etc. They can use the colours, cut outs, craft materials to make their chart attractive and neat.
Hindi	गृहकार्य: मेहनती चींटी के बारे में अपने शब्दों में एक छोटी कहानी लिखिए। परिश्रमी चींटी का एक सुंदर चित्र बनाइए। सभी कार्य चार्ट पेपर पर साफ-सुथरे और सुंदर तरीके से प्रस्तुत करें।
English	1. Make a beautiful booklet. Paste pictures of the places you visit during your summer vacation. Write one short paragraph about each place, sharing your experience, what you saw, and how you felt. 2. Make an interesting project on “Verbs”
Gujarati	પોતાના જન્મ દિવસ વિશે 5 -6 લાઈનમાં લખો. પ્રોજેક્ટ પેપરમાં લખો (ચિત્ર - ડેક, ભેટ દોરો)
Art & Craft	Theme: Simple & Fun Creations Activity Options (Any One): 1. Pen Stand using old newspapers, cardboard boxes, or plastic bottles 2. Paper Bag from old newspapers or magazines 3. Wall Hanging using ice-cream sticks or old CDs Instructions: Use easily available waste materials at home Keep it neat, colourful, and creative Take help from parents if needed
Maths	The Khatamband Ceiling Pattern Khatamband is a beautiful woodcraft where small pieces of wood are fitted together in geometric patterns without nails. The Task: Look at a picture of a Khatamband ceiling. Draw a small section of it using only Polygons (triangles, squares, and hexagons). Question: Identify and count the number of vertices (corners) in one hexagon and one square used in your drawing.

	Art Integration: Colour the pattern using wood-like shades (brown, tan, and cream). (Do this in your notebook). 2. Learn Tables 2 to 17. 3. Make any 2D or 3D Maths Model on chart paper or A4 paper.
COMPUTER	1. Write a short paragraph on "Uses of computers in daily life" (Do this in your notebook) 2.* Name any four types of computers and paste/draw their images on A4 sheet.(Roll no :1-15) * Draw a Mouse on A4 sheet and label its parts (left button, right button, scroll wheel). (Roll no. (16 -30) * Draw a keyboard only for seat available its important keys. (Roll no: 33 to 40)

Grade – 04

SUBJECTS	HOMEWORK
English	1. Practice. cursive writing: 2 pages twice a week or 20-25 pages total in a small notebook. 2. Write 3 short poems (not from text book) with pictures , 5 moral stories or 10 sentences on' the morning scene with a drawing' 3. Make a personal dictionary with 5 words daily by reading Newspaper.
Hindi	विद्यार्थी हिन्दी पाठ्यपुस्तक(वीणा) पाठ 1 से 5 प्रत्येक पाठ में से पाँच- पाँच संयुक्त व्यंजन,द्वित्व व्यंजन,वर्ण को अलग करे शब्दों को खोजकर प्रोजेक्ट पेपर या A4 साईज के पेपर पर लिखकर तैयार करे।
Maths	On chart paper, prepare a place value chart (Indian System) and represent the following numbers in it: a. 45,612 b. 70,458 c. 80,001 d. 25,003 e. 10,230 f. 5,007 g. 69,020 h. 43,012 2. Preet, who lives in Jammu, wants to know the cultivation area and annual production of the following crops in J&K: a. Rice b. Cherries c. Wheat d. Saffron e. Apples f. Walnuts Help her find this information and draw and color the above-mentioned crops beautifully.
EVS	Project: 1.Healthy Food vs Junk Food Make a chart with two columns: Healthy food

	Junk food Paste pictures and write why healthy food is better. Scrapbook -Topic1-Bird Observation: Observe birds for 3 days Write: Types of birds seen and their food habits.
Computer	1. Write essay on "My Future Robot". [Imagine living with a Robot that helps with chores or homework]. Do this in your note book. 2.[A4 sheet Activity] Design a poster on following topics: Showing different Storage Devices.(Roll no. 1-12) Input Devices.(Roll no. 13-25) Output Devices (Roll no. 26- 37)
Gujarati	નામ (Noun) વ્યાખ્યા, ઉદાહરણ, વાક્યો બનાવી લખો. પ્રોજેક્ટ પેપરમાં 5 - 6 વાક્યો લખો.
Art and craft	Theme: Useful Items from Waste (BEST OUT OF WASTE) Activity Options (Any One): 1. Bird Feeder using plastic bottles or coconut shells 2. Decorative Flower Vase using waste bottles, cans, or jars 3. Photo Frame using cardboard and waste decoration items Instructions: Use eco-friendly and safe materials Try to make something useful Maintain cleanliness and finishing

Grade – 05

Maths	1. Prepare a working model of a place value chart to represent large numbers. 2. Write an interesting story involving a large number, linking it with a place in Jammu & Kashmir. Also, draw a background illustration to show the beauty of J&K.
EVS	1. Rainwater Harvesting Model Make a simple model using a bottle/box. Show how rainwater is collected and stored. Label parts like roof, pipe, tank. Write 4–5 lines explaining it. Scrapbook -- 1.Aquatic vs Terrestrial Animals Divide page into 2 parts: Water animals

	Land animals Paste/draw and label.
Hindi	विद्यार्थी हिन्दी पाठ्यपुस्तक(वीणा) पाठ 1 से 5 प्रत्येक पाठ में से संज्ञा के प्रकार के अनुसार पाँच- पाँच शब्दों को खोजकर प्रोजेक्ट पेपर या A4 साईज के पेपर पर रंगीन पेन से लिखकर तैयार करे।
Gujarati	બગીચા વિશે 10 વાક્યો લખો.
English	Write a 80-100 word Short story from newspaper picture, A 10 sentence paragraph on your 'favorite toy' ** Practice, neat Cursive, hand writing in separate notebook (20-25 pages) ***Make a personal dictionary with 5 words daily by reading Newspaper.
Computer	1. Write a short note on Artificial Intelligence (AI). (Do this in your notebook) 2. [A4 sheet Activity] Make a poster on following Topics *"Showing Five Desktop Icons" (Rollno.1-15) *"Computer Short cut Keys" (Rollno.16-30) *"Generations Of Computers" (Rollno.31-44)
Art & Craft	Theme: Creative & Innovative Projects Activity Options (Any One): 1. Mini Dustbin Model using cardboard or plastic containers 2. DIY Organizer (table organizer from boxes, cartons, etc.) 3. Toy or Game using waste (like a car, puppet, or board game) Instructions: Focus on creativity and usefulness Use a combination of different waste materials Ensure durability and neat finishing

Grade – 06

Subject	Holiday Homework
English	**To enjoy your vacations, visit some interesting place with your family members and write your experience about it (100 words) including picture specific details about what you observed. *** Make as many words as you can from the word DUMBFOUNDED as using only its letters. *** Write approx. 20 Palindrome words on A4 size paper.

Hindi	विद्यार्थी हिन्दी पाठ्यपुस्तक(मल्हार) पाठ 1 से 7 प्रत्येक पाठ में से 'विराम-चिह्न' के प्रकार के अनुसार(कोई भी पाँच) पाँच- पाँच वाक्यों को खोजकर प्रोजेक्ट पेपर या A4 साइज के पेपर पर रंगीन पेन से लिखकर तैयार करे।
Sanskrit	विद्यार्थी प्रोजेक्ट पेपर या A4 साइज के पेपर में पाठ्यपुस्तक के अतिरिक्त पाँच पुल्लिंग ,पाँच स्त्रीलिंग और पाँच नपुंसकलिंग शब्दों का चित्र लगाकर संस्कृत शब्द लिखिए।
Gujarati	विद्यार्थीઓ પ્રોજેક્ટ પેપર અથવા A4 સાઈઝ પેપર પર ગામડાનું ચિત્ર લગાવી તેના પર પાંચ -છ વાક્યો લખશે.
Mathematics	1.Create a working model based on patterns in number series. 2. Make a portfolio using different patterns of shapes to show the languages used in J&K in percentage. Draw a colourful pie chart to represent this data
Social science	Lesson Name Locating Places on the Earth. Read the question properly to follow the given instructions Use World map or atlas to locate the given location. Question to be written in the Social Science notebook, Identify the Lines Write the correct answer: A. Horizontal lines are called _____ B. Vertical lines are called _____ C. 0° latitude is called _____ D. 0° longitude is called _____ Question 2. Locate the Places Find these places on the world map and India map write their names: A. 28°N, 77°E → _____ (New Delhi) B. 51°N, 0° → _____ (London) C. 40°N, 74°W → _____ (New York City) Question 3. Create Your Own any 2 coordinates and write it's places name Question 4. My Place Find your country: India Write the approximate coordinates of your city.
Computer	1. Write algorithm to make a cup of tea. Write 6 steps. 2. Draw flowchart to find sum of two numbers. Show: Start → Input A, B → Sum = A+B → Print Sum → Stop
Art and craft	Activity: Lippan Art Work Make a beautiful Lippan artwork on an MDF sheet. You may also use a cake base as an alternative. Decorate your work using mirrors, clay, and colours. Ensure neatness and creativity. Submission: Submit your work after the holidays.
Science	Visit a nearby garden along with your parents / grandparents. 1. Note down the type of plants. 2. Observe and mention the type of leaf venation. 3. Observe the animals around and write down the type of movement exhibited by them. Note: Write date of visit, time of visit and name of the Garden. Paste pictures of animals / plants you observed in the garden.

	Use A4 size paper for the project work and submit it in a plastic folder. Name of the Student, Roll No. and Class must be clearly mentioned on the folder.
Skill Education	Topic: Create a beautiful Kitchen Garden and present it in a creative booklet. Instructions: •Grow small plants (such as herbs, vegetables, or flowers) at home. •Click photos at different stages of plant growth and include them in your booklet. •Write details about each plant (name, how it grows, care needed, etc.). •Paste pictures of the tools and materials you used (like pots, soil, seeds, watering can, etc.). •Write a short description of how you used each tool and its benefits. Keep your work neat, colorful, and creative.

Grade – 07

Subject	Holiday Homework
English	Voices of Inspiration Students will research any three motivational speakers, such as A. P. J. Abdul Kalam, Malala Yousafzai, etc., and create an attractive poster that includes their names, famous quotes or taglines, and a brief reflection on what they have learned from each personality, thereby demonstrating their research skills, creativity, and interpretation.
Hindi	संधि वृक्ष बनाएं - चार्ट पेपर पर एक बड़ा पेड़ बनाएं जिसकी तीन मुख्य शाखाएं होंगी- स्वर संधि, व्यंजन संधि और विसर्ग संधि। इनमें से स्वर संधि शाखा में उनके पांच भेद भी दिखाएं। पत्तियों के आकार पर अलग अलग रंगों के कागज को काटें और उसमें शब्द का विच्छेद करके पेड़ की सही शाखा पर चिपकाएं।
Sanskrit	विद्यार्थी प्रोजेक्ट पेपर या A4 साइज के पेपर में पाठ्यपुस्तक (दीपकम्) के पाठ- 1 से 7 के एक-एक मूल शब्द (क्रिया) पसंद करके लट् लकार (वर्तमान काल) के रूप की तालिका तैयार करके लिखें।
Mathematics	1. Write a short note and draw about five famous places in Jammu & Kashmir, including the number of tourists who visit each place annually. Present this in a booklet form. Also mention the height of the highest and lowest mountains in Jammu & Kashmir above sea level. 2. Make a working model on HCF or LCM.
Science	Project Work 1. Show 3 types on charts/model: Conduction Convection Radiation Use simple materials (metal spoon, water) Label and explain each with examples

	2. Photosynthesis Working Model- Make a working model showing: Sunlight Water Carbon dioxide Show how plants make food Write the process in simple steps.
Social Science	The students will prepare a map work activity based on the Physical Features of India. They will use an A4 sheet to draw or paste a political map of India and complete the task according to their roll number. Students will mark and label important physical features such as the Himalayas, Northern Plains, Peninsular Plateau, Thar Desert, and Coastal Plains. They will also show the origin of rivers, the states through which they flow, and the seas or oceans into which they drain. For all features, students should use different maps and include 2D and 3D images/models for better understanding. The work should be done neatly with proper labelling using pencil and light colours.
Gujarati	વિદ્યાર્થીઓ પ્રોજેક્ટ પેપર અથવા A4 સાઇઝ પેપર પર બજારનું ચિત્ર લગાવી તેના પર સાત પ્રશ્નો બનાવી ઉત્તર લખશે.
Computer	1. Define Algorithm. Write 2 characteristics of a good algorithm. 2. What is the difference between 'Code' and 'Pseudocode'? Give 1 example of each. 3. Write an Algorithm using variables to find the perimeter of a square. Mention what variable you will use for side length.
Art and Craft	Activity: Lippan Art Work Make a beautiful Lippan artwork on an MDF sheet. You may also use a cake base as an alternative. Decorate your work using mirrors, clay, and colors. Ensure neatness and creativity. Submission: Submit your work after the holidays.
Skill Education	Create a Plant nursery and present it in a creative booklet. Instructions: •Visit to a nearby plant nursery and observe. •Grow a different plants (such as herbs, vegetables, flowers, fruits and ornaments plants) at home. •Click photos at different stages of plant growth and include them in your booklet. •Write details about each plant (name, how it grows, care needed, etc.). •Paste pictures of the tools and materials you used (like pots, soil, seeds, watering can, etc.). •Write a short description of how you used each tool and its benefits. Keep your work neat, colourful, and creative.

Grade – 08

English	Create a memory book of the best moments of summer break. Write few lines also along with photos. Decorate your memory With book with
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	colourful cover. * Read a classic novel like Little Women and Complete a project that includes a character summary, a list of interesting adjectives and adverbs with synonyms/antonyms and creative sentences.
Science	1. Pocket Book Activity: The Invisible World Around You Create your own pocket book on the topic: 'The Invisible World Around Include the following: - Discovery of microscope - Discovery of microbes - Types of microorganisms (bacteria, fungi, protozoa, algae, viruses) - Characteristics of each type. Make it colourful, creative, and informative. 2. A4 Sheet Activity (Choose Any Two) On a colourful A4 sheet completes any two of the following: 1. Make diagrams of a plant cell and an animal cell and compare their features. 2. Write 3 ways in which microbes are useful and 3 ways they are harmful. 3. Microalgae – give examples, draw a diagram, and write its uses. Use proper labels, diagrams, and neat presentation
Hindi	तुलनात्मक सारणी (Comparison Table) 'पुरुषवाचक सर्वनाम' के तीनों प्रकारों (उत्तम, मध्यम और अन्य पुरुष) का एक टेबल बनाएं: उत्तम पुरुष: बोलने वाला (मैं, हम) - यहाँ छात्र अपनी फोटो या कार्टून लगा सकते हैं। मध्यम पुरुष: सुनने वाला (तू, तुम, आप)। अन्य पुरुष: जिसके बारे में बात हो (वह, वे)। विद्यार्थी इस गतिविधि को चार्ट पेपर पर रंगीन पेन से लिखकर तैयार करें।
SST	Project 1: Indian Constitution Prepare a project on: Meaning of Constitution Key features Fundamental Rights & Duties Add examples from daily life Include pictures/articles Project 2 : Poster making on topic Sustainable Development What to draw: Balance between nature and buildings, Solar panels, trees Also write slogans.
Sanskrit	विद्यार्थी प्रोजेक्ट पेपर या A4 साइज के पेपर में लोट् के (आज्ञा) लकार - पिब, गच्छ, नय, लिख और इच्छ के शब्दों के रूप की तालिका बनाकर लिखिए।
Maths	Activity: Math Game Creation;- Design your own math game Examples: Board game , Card game , Quiz game Rules: Must include maths Rules questions Can be played with family/friends

Computer	1. Make a power point presentation on the topic “Sustainable Development” total Slides of 10- 12 with Animation, Transitions, photos and videos. 2. .What is debugging? Write three common types of errors in programming with one example of each. (Do this in your notebook)
Gujarati	વિદ્યાર્થીઓ પ્રોજેક્ટ પેપર અથવા A4 સાઈઝ પેપર પર સરકસનું ચિત્ર લગાવી તેના પર સાત પ્રશ્નો બનાવી ઉત્તર લખશે
Art & Craft	Activity: Lipan Art Work Make a beautiful Lipan artwork on an MDF sheet. You may also use a cake base as an alternative. Decorate your work using mirrors, clay, and colours. Ensure neatness and creativity. Submission: Submit your work after the holidays.
Skill Education	Create a Hydroponics growing plants without soil and present it in a creative booklet. Instructions: •Grow a Hydroponics without soil plants (such as herb and ornaments plants) at home. •Click photos at different stages of plant growth and include them in your booklet. •Write details about each plant (name, how it grows, care needed, etc.). •Paste pictures of the tools and materials you used (like pots, soil, seeds, watering can, etc.). •Write a short description of how you used each tool and its benefits. Keep your work neat, colorful, and creative.

Grade – 09

English	Voices to Visuals Based on the lessons How I Taught My Grandmother to Read, Bharat Our Land, and The Pot Maker, you have to creatively transform literature into visual and written expression. You will design a movie poster. Along with this, you will write the central idea, select two important lines with their meanings, and mention the life lesson learned. You will also include one creative element such as a drawing, diary entry, or short poem. All work should be compiled neatly in a well-presented file, reflecting creativity and understanding.
Hindi	1) शब्द-पद-पदबंध- परिभाषा ,भेद) हरेक भेद के लिए 5 उदाहरण से स्पष्ट कीजिए।) 2) उपसर्ग -प्रत्यय - 10 शब्द उपसर्ग के लिए और 10 शब्द प्रत्यय के लिए लिखिए 3) अनुस्वार, अनुनासिक , नुक्ता, विसर्ग और आगत ध्वनियाँ - हरेक प्रकार के 5 शब्दों से समझाइए 4) स्वर संधि की परिभाषा एवं भेद को 5 उदाहरणों के साथ समझाइए

	5) लघु कथा लेखन - विषय- "एकता में बल है " 6) विज्ञापन - विषय- "एकता में बल है " यह काम प्रोजेक्ट पेपर में करके एक फाइल बनाइए
Mathematics	Activity on Graph Notebook Adding Irrational Numbers on a Number Line A. Find the sum of $\sqrt{7}$ and $\sqrt{11}$ using a number line. B. Calculate the sum of $\sqrt{13}$ and $\sqrt{19}$ by marking the numbers on a number line. C. Using a number line, determine the result of adding $\sqrt{21}$ and $\sqrt{31}$. D. Represent $\sqrt{15}$ and $\sqrt{23}$ on a number line and find their sum. E. Add $\sqrt{17}$ and $\sqrt{29}$ together by plotting them on a number line. F. Now try to create various pictures on A-4 size paper using square- root spindle. Activity Lab manual To do lab activities number 1,2,6,7,8 in Lab Manual Art Integration Project: Kashmiri Kaleen The Kashmiri Kaleen (Carpet) is one of the most famous handicrafts of Jammu & Kashmir. These carpets are handwoven, often with intricate floral, paisley, and geometric designs, and are known worldwide for their fine craftsmanship and vibrant colors. Traditionally, they symbolize Kashmiri culture, artistry, and heritage. The motifs often reflect nature—chinar leaves, flowers, and vines—woven with symmetry and balance. You have to design a Kashmiri Kaleen pattern on graph paper using the Cartesian plane, applying concepts of symmetry, reflection, and coordinates.
Science	1. Pocket Book Topic: Language of Chemistry * Elements: symbols, atomic number, mass * Polyatomic ions: names & formulas * 50 compounds: names & formulas 2. Research Activity Research about the * Discovery of subatomic particles * Their properties * Atomic Models (Thomson , Rutherford and Bohr) Make a colourful presentation of the same in a A4 sheet* Biology holiday assignment* Biology - Prepare the 3D model of the *CELL* *ORGANELLE* as per the list given in the CT group. Physics : DIY Model (Choose One) Balloon-powered car (Newton's 3rd law) Simple roller coaster model (energy conversion) Sound transmission model Explain: Principle used Working
Social Science	Lesson Title: "Shaping Surfaces of the Earth" Activity Type: Model Making or Short Documentary or Animated short

	(2 or 3 minutes) Group Allotment (According to Roll Numbers): Volcanoes (Endogenic Force) – Roll No. 1 to 5 Earthquakes (Endogenic Force) – Roll No. 6 to 10 Weathering – Roll No. 11 to 15 Erosion by Rivers – Roll No. 16 to 20 Wind or Glacier Action – Roll No. 21 to 25 Prepare a model using clay, cardboard, or eco-friendly materials. Create a short Documentary or Animated (2–3 minutes) explaining: What the force is? How it works ? Landforms it creates ? Present your model with labels and key points on chart paper. Materials Required: Chart paper, Clay / Cardboard, Markers & Colors, Waste materials (eco-friendly) Extension Activity (Homework): Roll No. 26 to 34 Draw 2D- 3D Diagram and label any one landform formed by these forces (e.g., volcano, valley, sand dune, glacier, river delta). Write 5–6 lines explaining how it is formed.
Art & Craft	Design a creative border that blends mathematics with traditional Indian art. On an A3 sheet, draw a 3-inch wide border inspired by either Warli, Madhubani, or Mandala art. The border must follow a clear mathematical idea such as a geometric sequence or tessellation, ensuring that shapes repeat without gaps. Use a simple color scheme, choosing either a monochrome palette (black and white) or earthy tones like terracotta, mustard, and indigo. Alongside the artwork, write a short explanatory note describing the mathematical concept applied and the cultural significance of the chosen art form.
HPE	Part A: Project (10 Marks) Any ONE topic: Physical Fitness / Balanced Diet / Yoga / Women in Sports / Olympic Games Include: Cover page, Index, Pictures, Conclusion Part B: Thermocol Chart (5 Marks) Make ONE 3D model of any game Include: Court/ground model Players/net/goal Game name, players, rules, equipment Keep it neat & strong
Computer	Make a power point presentation on any topic as desired.

Grade – 10

English	Escape Room – Literature Edition Students will design an engaging “Escape Room” based on the chapters studied in class by creating at least five creative puzzles such as riddles, word scrambles, or hidden messages related to characters, themes, or
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	events. Each puzzle should reflect comprehension of the text and challenge the solver to think critically. This activity promotes analytical thinking, problem-solving skills, and interactive learning. Homework
Hindi	विषय- दशावतार - विष्णु के दस अवतारों का वर्णन श्लोक के साथ सचित्र वर्णन कीजिए A4 size प्रोजेक्ट पेपर में लिखना है
Social Science	Activity 1: Case Study Analysis Roll no 1 to 5 Task: Read the situation and answer the questions. Case: Riya bought a branded mobile phone. Within two days, it stopped working. When she went to the shopkeeper, he refused to replace it and said, "No guarantee after purchase." Activity 2: Role Play (Consumer Court Group Activity) Roll no 11 to 15 Task: Perform a role play in groups (Consumer, Shopkeeper, Judge). Activity 3: Logo and Symbol Identification Roll no 16 to 20 Task: Present marks/logos for Commodities certification. Activity 4: Survey Activity Roll no 21 to 25 Task: Conduct a small survey of 5–10 people in your locality. Write it in Project paper the survey given. Roll no 26 to 30 Task: Make a poster Creating Consumer Awareness Roll no 31 to 36 Task: Write a complaint letter to a company " You purchased a defective water purifier that stopped working within a week"
Maths	(Write all the activities in Yuva Lab Manuals) Activity : 11, 12, 16, 17, 21, 23, 24 ART INTEGRATION ACTIVITY—"Geometry of Warmth – The Kangri" A Kangri (कान्गरी) is a traditional Kashmiri fire pot — a small clay pot filled with hot coals, enclosed in a wicker basket, and carried under the phiran (woollen cloak) to keep warm in the severe Himalayan winter. It is one of the most iconic cultural objects of Jammu & Kashmir. 1. Understand the Kangri Structure 2. Draw on Cartesian Plane a. On graph paper, draw the Kangri in 2D projection (front view). 3. Mark the base centre at (0,0). 4. Surface Area & Volume Formulas 5. Assign realistic dimensions (e.g., radius of pot = 7 cm, neck height = 5 cm, basket height = 10 cm). 6. Calculate total surface area and volume by summing all parts. 7. Decorate the drawing with traditional Kashmiri motifs (floral, paisley).

	8. Write a short note on cultural importance of Kangri in winter life. Worksheet (sent in the Maths WhatsApp Group) To be done in separate notebook.				
Biology	Prepare the diagram of the following in standard size chart paper. 1. Schematic sectional view of human heart (Roll No. 1 to 6) 2. Schematic representation of transport and exchange of oxygen and carbon dioxide (Roll No. 7 to 11) 3. Human respiratory system (Roll No. 12 to 17) 4. Excretory system in human beings (Roll No. 18 to 23) 5. Structure of a nephron (Roll No. 24 to 29) 6. Open and closed stomatal pore (Roll No. 30 to 36) Note Mention the *Name, Roll No. and Class * clearly Use appropriate colours to differentiate various parts. Diagram should be neat, well labelled and drawn by hand.				
Physics	Worksheet Physics Scrapbook / Creative Journal Include: Important formulas with colorful diagrams Scientists and their contributions Fun facts (e.g., why the sky is blue) Real-life applications of chapters like Light, Electricity, Magnetism Latest Technology in Ray and Wave Optics, Electronics, Magnetism				
Chemistry	1. Indicator Activity (Hands-on Project) Prepare natural indicators at home: - Turmeric Indicator - Hibiscus Indicator Test the following using your indicators: - 2 Acids (e.g., lemon juice, vinegar) - 2 Bases (e.g., baking soda solution, soap solution) - 2 Neutral substances (e.g., water, sugar solution) Make an attractive presentation on a coloured A4 sheet. Paste/attach your prepared indicator samples (if possible). Record your observations in a neat table. <table> <tr> <td>Substance</td> <td>Nature (Acid/Base/Neutral)</td> <td>Turmeric Change</td> <td>Hibiscus Change</td> </tr> </table> 2. Types of Chemical Reactions On a coloured A4 sheet, write different types of chemical reactions: - Combination - Decomposition - Displacement - Double Displacement - Redox Add one daily life example for each type. Use diagrams, colours, and creative headings. 3. Lab Journal Work	Substance	Nature (Acid/Base/Neutral)	Turmeric Change	Hibiscus Change
Substance	Nature (Acid/Base/Neutral)	Turmeric Change	Hibiscus Change		

	Complete Practical 1 and Practical 2 in your lab journal. Include Aim, Materials, Procedure, Observation, and Conclusion. Homework
Art & Craft	Design a creative border that blends mathematics with traditional Indian art. On an A3 sheet, draw a 3-inch wide border inspired by either Warli, Madhubani, or Mandala art. The border must follow a clear mathematical idea such as a geometric sequence or tessellation, ensuring that shapes repeat without gaps. Use a simple colour scheme, choosing either a monochrome palette (black and white) or earthy tones like terracotta, mustard, and indigo. Alongside the artwork, write a short explanatory note describing the mathematical concept applied and the cultural significance of the chosen art form.
Physical and Health Education	Part A: Project Work ☞ Make a project on any ONE topic: Physical Fitness Balanced Diet Yoga in Daily Life Women in Sports Olympic Games ✦ Include: Cover page, Index, Pictures, Conclusion ◆ Part B: Health Awareness ☞ Write short notes: Personal Hygiene Importance of Sleep Healthy vs Junk Food 🌀 Part C: Thermocol Chart Work ☞ Make ONE 3D model of any game Include: Court/ground model Players/Net/Goal Game name, players, rules, equipment
Information Technology	PowerPoint Presentation on any topic.

Grade – 11

English	Theme Collage Activity – Literature in Visual Form Students will create a theme-based collage using newspaper cuttings, magazine images, drawings, and words to visually represent one of the following themes: Fear, Courage, or Inequality. The collage should not only be decorative but also reflect a clear understanding of how the chosen theme is explored in the prescribed lessons and poems of Class 11 English (Hornbill & Snapshots). Examples: Courage: Courage gives strength in difficult situations (We're Not Afraid to Die...).
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	Loss & Memory: Memories keep our loved ones alive (A Photograph by Shirley Toulson). Freedom: Education gives freedom and dignity (The Summer of the Beautiful White Horse).
PHYSICS	Investigatory project: Physics Introduction and Theory: Define the physical principles involved, such as Total Internal Reflection (TIR) for optics and signal transduction for electronics. Construction and Components: Provide a detailed list of materials, including LEDs, photodiodes, fiber optic cables, breadboards, and power sources. Working Mechanism: Include clear diagrams of both the optical path and the electronic schematic. Data Collection: Record measurements for different fiber lengths or bending angles to demonstrate the relationship between physical variables and signal strength. Conclusion: Summarize how the fusion of optics and electronics enables modern communication technology
CHEMISTRY	1. Complete the chemistry investigatory project. 2. CREATIVE CHEMISTRY “Journey Inside an Atom” (Infographic) ROLL NO. 1 TO 6 SHALL DO TOPIC I AND 7 TO 11 TOPIC II I. Create a colorful infographic in a A4 SHEET showing: * Structure of an atom (protons, neutrons, electrons) * Models of atom (Dalton → Thomson → Rutherford → Bohr) * Energy levels and electronic configuration Make it visually attractive with diagrams and flow arrows. II. “Quantum Numbers Made Easy” (Concept Map in a A4 sheet) Prepare a concept map explaining: * Four quantum numbers (n, l, m, s) * Their significance Use symbols, short examples, and color coding. 3. Complete the numerical worksheet as given in class group.
MATHEMATICS	To draw graphs of all the six trigonometric functions in graphs LAB MANUAL ACTIVITIES i. To find the total number of subsets of a given set and verify that if a set has n number of elements then total number of subsets is 2^n ii. To verify that for two sets A and B ,$n(A \times B) = pq$ and the total no. of relations from A to B is 2^{pq} iii. To represent set theoretic operations using Venn Diagrams. To identify relation and Function
IP	Make documentary on any topic of your choice

PE	Make practical project files, studying Olympic values, researching Khelo India, and complete assignments on yogic kriyas (Shatkarma) or fitness tests
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Grade – 12

English	Voices of Literature Students will select any one prose lesson and one poem from Flamingo, along with one chapter from Vistas, and prepare a file in the form of a creative portfolio. The portfolio will include the central idea in their own words, a character sketch in a creative format, two important quotes with interpretation, and a real-life connection. The work should be presented attractively using illustrations or a magazine-style layout, and will be assessed on understanding, creativity, and presentation.
Chemistry	Students must complete the Chemistry Holiday Homework Worksheet and the Chemistry Investigatory Project and submit them on time.
Physics	Investigatory project: Physics 1. Introduction and Theory 2. Construction and Components 3. Working Mechanism 4. Data Collection 5. Advantages and Disadvantages 6. Conclusion
Math's	Worksheet Draw the graphs of inverse trigonometric functions in graph notebook. Lab Manual Activities 1.1 Types of Relations 1.2 Equivalence Relation 1.3 Not One-One but Onto Function 7.1 Conditional Probability 5.1 Angle between Two Vectors 6. Vector or Cross Product 11. Graph of an Inverse Trigonometric Function
Biology	Preparation of Investigatory Project as per the guidelines provided by the subject teacher. Topics: 1. DNA extraction from fruits (banana). 2. Rate of photosynthesis under different conditions. 3. Plastic waste management survey. 4. Analysis of fingerprint patterns in different family members. 5. Synthesis of biodegradable plastic and its environmental impact 6. Addiction in modern society - Patterns, Impacts and Intervention. 7. Effects of exercise on pulse rate 8. Analysis of X- linked recessive and dominant traits in family pedigree

Physical Education	Part A: Practical File Prepare a file including: One IOA Game – History, Rules, Skills, Diagram Yoga for Lifestyle Diseases – Asanas, Procedure, Benefits, Precautions SAI Khelo India Tests – Record scores (Sprint, Run, Sit & Reach, Jump, Shuttle. Part B :Presentation Cover page, Index, Neat work, Diagrams Presentation Topics Physical Fitness & Wellness Training Methods in Sports Yoga & Lifestyle Management Sports Injuries & Their Prevention Women Participation in Sports Psychology & Sports Performance Doping in Sports
Computer Science	Write 15 java programs and take a printout for each one.