

PMSHRI KV MACHILIPATNAM

HOLIDAY HOME WORK FOR SUMMER BREAK 2026-27

6A	English	Mrs. Remya P	1. MDP.(Conservation of water)...Poem, story, conversation, slogan, poster Essay...(Any 4). 2. Read a novel and prepare Book Review. 3. Articles for school magazine
	Hindi	Mrs. Razia Sulthana	<u>विषय: जल बचाव-जीवन बचाव (एमडीपी)</u> 1)कविता लेखन (4-6 पंक्तियों की छोटी कविता लिख सकते हैं) 2) 5 स्लोगन लेखन 3)100 शब्दों में अनुच्छेद लेखन नैतिक मूल्य: पर्यावरण के प्रति जिम्मेदारी एवं जागरूकता का विकास <u>विषय संवर्धन गतिविधि:-</u> 1) आपने गर्मियों की छुट्टियों में क्या-क्या किया कैसे अपना समय बिताया? एक लेख लिखिए (100 शब्दों में) 2) अपने प्रिय मित्र के बारे में एक अनुच्छेद लिखिए (100 शब्दों में) 3) अपने प्रिय खेल पर एक अनुच्छेद लिखिए (100 शब्दों में)
	Sanskrit	Mr.Ankush	Class -6 Holiday Homework Sanskrit 1. Write and learn वर्णमाला 5 times Write and learn parts of body 2 times Write and learn flowers name 2 times Write and learn colors name 2 times 2.MDP--- I) Draw a poster and write a message in sanskrit on water conservation. II) write 2 slokas on save water in sanskrit
	Mathematics	Ms. Bhavani	Learn and practice 2 to 20 tables. Observe and click/take pictures of 3 patterns around your home,Describe the pattern in words and identify the repeating element.SEA- topic patterns around us. MDP water conservation Data collection record for 5days water usage.
	Science	Mrs. K Sahithya	1. Write a detailed recipe of your favourite food

			" Ingredients, steps of making, how many servings" 2. Divide the ingredients into plant resources and animal resources 3. What more food items can be added to it to make it a balanced meals.
	Social Science	Mrs. D Aruna Kumari	Daily two General knowledge points to be learned and written
	Arts	Mr. Rehan	Create 5 Birthday Cards , 2 A3 size Painting based on Indian culture (Indian animals , birds , dances , festivals , landscape)
6B	English	Mrs. Remya P	Same as 6A
	Hindi	Mrs. Razia Sulthana	Same as 6A
	Sanskrit	Mr. Ankush	Same as 6A
	Mathematics	Ms. Bhavani	Same as 6A
	Science	Mrs. K Sahithya	Same as 6A
	Social Science	Mr. Gagandeep Singh	1. Project Work: Our Earth and Globe Meaning of Earth and Globe Continents and Oceans (with diagram/map) Important latitudes (Equator, Tropics, etc.) Uses of globe and maps Simple diagrams and colouring 2. Activity: My Neighbourhood Introduction of your neighbourhood Important places (school, market, hospital) Cleanliness and facilities Draw a simple map of your area 3. Project Work: Our Country India Introduction of (location, states, capital) Physical features (mountains, plains, etc.) National symbols Unity in diversity (languages, festivals) Map work and pictures General Instructions Complete all three works in ONE single scrap book only Do NOT make separate files Use neat and clear handwriting Decorate the front page properly Use colours, flow charts, diagrams and pictures Maintain proper presentation and cleanliness
	Arts	Mr. Rehan	Same as 6A
7A	English	Mr. D Samsundar	Multi-Disciplinary Project (English Section – Class VII)

			<p>Theme: Water Conservation – Every Drop Counts</p> <ol style="list-style-type: none"> 1. Write a formal letter to a local authority addressing the issue of water wastage or shortage, suggesting practical and realistic solutions. 2. Create a creative poster on water conservation <p>Subject Enrichment Activities</p> <p>To read and understand first three units of the English textbook Poorvi great 7. To read and understand the part of speech grammar units. for writing letter to your friend on how you spent summer vacation, in 100 words. Write a story with a moral lesson. Write 1 paragraph on each page total 10 paragraphs from the English textbook based for calligraphy purpose. Write down five new words daily from the textbook, total 25 words to be learnt too.</p>
	Hindi	Mrs. Razia Sulthana	<p><u>विषय: जल बचाव-जीवन बचाव (एमडीपी)</u></p> <ol style="list-style-type: none"> 1) कविता लेखन (6-10 पंक्तियों की छोटी कविता लिख सकते हैं) 2) 10 स्लोगन लेखन 3) 100 शब्दों में अनुच्छेद लेखन <p>नैतिक मूल्य: पर्यावरण के प्रति जिम्मेदारी एवं जागरूकता का विकास</p> <p><u>विषय संवर्धन गतिविधि:-</u></p> <ol style="list-style-type: none"> 1) पर्यावरण के प्रति मेरी जिम्मेदारी एक अनुच्छेद लिखिए (100 शब्दों में) 2) प्रकृति पर एक कविता लिखिए (6-8 पंक्तियों में) 3) प्रतिदिन 15 मिनट हिन्दी पुस्तक पठन <p><u>लरनर्स डायरी:-</u></p> <ol style="list-style-type: none"> 1) माँ एक कहानी 2) तीन बुद्धिमान
	Sanskrit	Mr. Ankush	<p>Class -7 Holiday Homework Sanskrit</p> <ol style="list-style-type: none"> 1. Write and learn वर्णमाला <p>Write and learn उच्चारण स्थान</p>

			<p>Write and learn मम परिचय</p> <p>Write and learn गिनती 1-20</p> <p>Write and learn शब्दरूप- देव, राम, कवि, हरि, गुरु, माला</p> <p>2.SEA---</p> <p>I) Paste the picture of 10 freedom fighters and write their names.</p> <p>II) Write the names of Rivers, mountains and holy places of Andhrapradesh.</p> <p>3.MDP---</p> <p>I) Draw a poster and write a message in sanskrit on water conservation.</p> <p>II) write 5 sentences on save water in sanskrit</p> <p>III) List methods of water conservation at home in sanskrit language.</p>
	Mathematics	Ms. Bhavani	MDP water conservation-Requiring data collection, graph creation and practical calculations to be note.SEA-Integers and number operations. Home work : Learn and practice 2 to 20 tables. Do and practice 10 sums in large numbers
	Science	Mrs. K Sahithya	<ol style="list-style-type: none"> 1. What's an electric circuit 2. What elements are needed to make a circuit 3. Draw a simple circuit diagram and label it 4. Prepare a simple circuit model by using solar panel as electricity resources 5. Give 3 tips to reduce electricity bill during summer
	Social Science	Mrs. D Aruna Kumari	Daily two General knowledge points to be learned and written
	Arts	Mr. Rehan	Create 2 Birthday Cards , 1 A3 size Painting based on Indian culture (Indian animals , birds , dances , festivals , landscape) : Decorate 1 Project file
7B	English	Mr. D Samsundar	Same as 7A
	Hindi	Mrs. Razia Sulthana	Same as 7A
	Sanskrit	Mr. Ankush	Same as 7A
	Mathematics	Ms. Bhavani	Same as 7A
	Science	Mrs. K Sahithya	Same as 7A
	Social Science	Mrs. D Aruna Kumari	Same as 7A
	Arts	Mr. Rehan	Same as 7A
8A	English	Mr. D Samsundar	Multi-Disciplinary Project (English Section – Class VIII)

			<p>Theme: Water Conservation – Every Drop Counts</p> <p>Complete the English section of your Multi-Disciplinary Project on separate, well-presented pages in the same scrapbook.</p> <p>Page 1, connect literature with real life by selecting one character each from <i>Wit that Won Hearts</i> and <i>Wisdom Paves the Way</i>, and write a 120–150 word paragraph explaining how wit and wisdom can help solve present-day water conservation problems, with a clear comparison.</p> <p>Page 2, write a diary entry from the perspective of a person facing water scarcity, describing emotions, daily struggles, possible solutions, and ending with a moment of realization.</p> <p>Page 3, draft a narrative essay for a school assembly on the topic “Water Conservation is Our Responsibility,” ensuring you include relevant facts, emotional appeal, and a strong call to action.</p> <p>Page 4, write a formal letter to a local authority addressing the issue of water wastage or shortage, suggesting practical and realistic solutions.</p> <p>Page 5, create five original slogans on water conservation and add a short paragraph explaining the meaning and message of one selected slogan.</p> <p>Subject Enrichment Activity</p> <p>Pair up with your classmate and reimagine the situation from <i>Wit that Won Hearts</i>. You are Tenali Rama and create dialogues. In this alternate scenario, instead of appreciating Tenali Rama’s wit, the king misunderstands the situation and orders his execution.</p> <p>write a conversation between Tenali Rama and the king, showing how Tenali uses intelligence, humor, and presence of mind to defend himself and change the king’s decision.</p>
--	--	--	--

			write this on an A4 sheet with proper formatting of dialogue, ensuring clarity and neat presentation.
	Hindi	Mr. Yashavardhan	लेखन कार्य - गर्मियों की छुट्टी में कहीं घूमने जाने पर यात्रा वृतांत लिखें या किसी प्रसिद्ध स्थल का ट्रेवलिंग ब्राउचर बनाएं व्याकरण - 20 विलोम शब्द लिखें 10 पर्यायवाची शब्द लिखें संज्ञा, सर्वनाम, क्रिया, क्रिया विशेषण पर चार्ट बनाएं परियोजना कार्य - जल संरक्षण पर कार्य करें, पोस्टर/पिम्पलेट बनाएं रचनात्मक लेखन - एक औपचारिक और एक अनौपचारिक पत्र लिखें
	Sanskrit	Mr. Ankush	1. Write and learn वर्णमाला Write and learn उच्चारण स्थान Write and learn मम परिचय Write and learn गिनती 1-50 Write and learn शब्दरूप- वारि, मधु, भवत्, इदम्(3) धातुरूप-- सेव्, लभ् 2. SEA--- Write a detailed notes on VEDAS. ऋग्वेद, सामवेद, यजुर्वेद, अथर्ववेद 3. MDP--- I) Draw a poster and write a message in sanskrit on water conservation. II) write 5 sentences on save water in sanskrit III) List methods of water conservation at home in sanskrit language.
	Mathematics	Mr. J Satyanarayana	Based on Bridge Course (Statistics, Geometry & Algebra) PART 1: STATISTICS (Week 1) A. Short Answer Questions 1. Write 3 statistical and 3 non-statistical questions. 2. Find the mean of: a) 4, 8, 6, 10, 2 b) First 10 natural numbers

3. What is the difference between mean and median?
4. Define **outlier** with an example.

B. Data Handling Activity

1. Record **daily temperature for 5 days**.
2. Find:
 - Mean
 - Median
3. Represent the data using a **bar graph**.

C. Case Study

Number of books read by students:
5, 7, 8, 6, 50

1. Find mean and median
2. Identify the outlier
3. Explain how it affects the mean

D. Project Work

Collect any real-life data (choose one):

- Study hours
- Steps walked
- Mobile usage time

Do the following:

- Draw a **dot plot**
- Find mean & median
- Write 4 conclusions

PART 2: GEOMETRY (Week 2)

A. Constructions (Do in Geometry Notebook)

1. Construct a **perpendicular bisector** of a 6 cm line.
2. Construct:
 - 90° angle
 - 45° angle
3. Construct a **regular hexagon inside a circle**.

B. Short Answer Questions

1. What is symmetry? Give 2 examples.
2. What is a perpendicular bisector?
3. Why must the radius be same while drawing arcs?
4. What is an angle bisector?

C. Activity Work

1. Draw **3 eye designs** using perpendicular bisector.
2. Create a **flower design using 45° angles.**

D. Creative Task

1. Design a **rangoli pattern using geometric shapes**
2. Draw a **tiling pattern** using:
 - o Squares
 - o Hexagons

PART 3: ALGEBRA (Week 3)

A. Basic Concepts

1. Identify unknowns in:
 - a) $x + 5 = 12$
 - b) $2y = 10$
2. Write 3 “mystery number” questions.

B. Form Equations

Convert into equations:

1. A number increased by 7 is 15
2. Twice a number is 20
3. 5 less than a number is 9

C. Solve Equations

1. $x + 5 = 12$
2. $3x + 2 = 11$
3. $4x - 3 = 9$
4. $2x + 5 = x + 10$

D. Pattern-Based Questions

1. Matchstick pattern rule:
 - o Write formula for n

2. Solve:
 $2n + 1 = 99$

E. Word Problems

1. Cost of 1 plate = ₹25, total = ₹500
→ Find number of plates
2. A number when multiplied by 3 and increased by 5 gives 20.
→ Find the number

FUN SECTION (Compulsory)

1. Math Magic Trick

Think of a number → subtract 3 → multiply by 4 → add 8
Explain using algebra

2. Error Correction

Find mistake and correct:
 $4x + 6 = 10$
 $4x = 10 - 6$
 $x = 4$

FINAL PROJECT (Very Important)

Choose ANY ONE:

Option 1: Data Project

- Collect real-life data
- Draw graph
- Find mean & median
- Write conclusions

Option 2: Geometry Project

- Create a **geometric art (rangoli/tile design)**
- Use at least 3 shapes

Option 3: Algebra Project

- Create 5 real-life problems
- Form equations
- Solve them

			<p>INSTRUCTIONS</p> <ul style="list-style-type: none"> • Use separate notebook or A4 sheets • Draw diagrams neatly using compass • Write steps clearly • Add colors for graphs/designs
	Science	Mr. V H K K Gupta	<p>Taking care of younger siblings Days 26–30: Combustion and Flame - Draw structure of flame. - Fire safety rules at home.</p> <p>Days 31–35: Conservation of Plants and Animals - Types of protected areas. - Effects of deforestation.</p> <p>Days 36–40: Cell – Structure and Functions - Draw plant and animal cells. - Compare unicellular and multicellular organisms.</p> <p>-Days 41–45: Reproduction in Animals - Types of reproduction. - Life cycle of frog. - Asexual reproduction examples.</p> <p>Days 46–50: Force and Pressure - Types of forces. - Applications of pressure.</p>
	Social Science	Mr.Gagandeep Singh	<p>Holiday Homework (Social Science)</p> <p>Prepare a project on 'Unity in Diversity' on A4 scrap pages. Include introduction, types of diversity (geographical, cultural, religious) and examples with map work/case study. Add pictures, drawings and write answers neatly. Use colours and maintain neat presentation (8–10 pages).</p> <p>MDP (Multi-Disciplinary Project) Topic: Water Conservation – Every Drop Counts</p>

			<p>Complete the MDP on ONE single scrapbook only (all subjects together). Very Important: Do NOT make separate files for different subjects. First page should be a proper index (subject-wise division). Each subject must have minimum 4 pages of work. Decorate the scrapbook with cover, colours, pictures and drawings neatly.</p> <p>Subject-wise Hints</p> <p>Social Science: Causes of water scarcity, conservation methods, government steps. Science: Water cycle, groundwater, rainwater harvesting. Mathematics: Daily water usage calculation with table/graph. English: Essay and slogans on water conservation. Hindi: Sanskrit: Art & Craft: Poster/model on saving water.</p>
	Arts	Mr. Rehan	Decorate 1 Project file , create 2 A-3 paintings theme [Landscape]
8B	English	Mr. D Samsundar	Same as 8A
	Hindi	Mr. Yashavardhan	Same as 8A
	Sanskrit	Mr. Ankush	Same as 8A
	Mathematics	Ms. Bhavani	Same as 8A
	Science	Mr. V H K K Gupta	Same as 8A
	Social Science	Mr.Gagandeep Singh	Same as 8A
	Arts	Mr. Rehan	Same as 8A
9A	English	Mrs. Remya P	<ol style="list-style-type: none"> 1. Diary Entry (Any 20 days) 2. Read a novel and prepare Book Review. 3. My personal Dictionary (100 verbs with all 5 forms of verb+. 3 words , meaning and sentence per day) 4. Articles for school magazine
	Hindi	Mr. Yashavardhan	<p>पोर्टफोलियो - पोर्टफोलियो तैयार करें</p> <p>लेखन – ईमेल लेखन</p> <p>लेखन – कथा लेखन</p> <p>लेखन - पत्र लेखन (औपचारिक व अनौपचारिक)</p>

			लेखन - विज्ञापन लेखन रचनात्मक कार्य - अलंकार पर चार्ट बनाएं परियोजना कार्य - जल संरक्षण पर कार्य करें, लिखें, फोटो लगाएं और लोगों को जागरूक करें
	Sanskrit	Mr. Ankush	Class 9 Holidays homework sanskrit Write and learn सन्धि, उच्चारण स्थान, वर्णमाला Learn word meaning of chapter-1, 2 Make portfolio SEA- Write and learn 2 unseen passage, 2 picture composition, 2 letters.
	Mathematics	Mr. D Venkatacharyulu	1. Complete the given worksheets including questions in HW. 2. Prepare any two solid shapes with low cost or any innovative idea of your choice
	Physics		Read the chapter "Describing Motion Around Us" and note down the physical quantities and their units.
	Chemistry	M.V.N.L.Maheswari	Record work
	Biology	Mrs. K Sahithya	Record work
	Social Science	Mr.Gagandeep Singh	1. Project Work: Disaster Management in India (A4 Sheets – Minimum 8 Pages) Meaning and types of disasters (natural/man-made) Causes and effects of disasters Case study (any one disaster in India) Disaster management strategies and safety measures Role of government and citizens 2. Social Issue: Gender Empowerment (A4 Sheets – Minimum 6 Pages) Meaning of gender empowerment Different dimensions (education, economic, social, political) Problems faced by women in society Government schemes/measures Suggestions to improve gender equality 3. Portfolio Work PDF already shared in WhatsApp group Print it in colour Fill all details neatly Paste pictures wherever required Contact teacher if needed again 4. Project on Paired State: Punjab (Scrap Book)

			<p>Introduction of (location and basic details) Culture, traditions and lifestyle Food and famous dishes Festivals (Baisakhi, Lohri, etc.) Dress, dance (Bhangra, Giddha) and language Important places and agriculture</p> <p>General Instructions Use neat and clear handwriting Decorate the front page properly Use colours, flow charts, diagrams and pictures Maintain proper presentation and cleanliness</p>
	Arts	Mr. Rehan	Decorate 1 Project file , create 2 A-3 paintings theme [Indian Culture]
9B	English	Mrs. Remya P	Same as 9A
	Hindi	Mr. Yashavardhan	Same as 9A
	Sanskrit	Mr. Ankush	Same as 9A
	Mathematics	Mr. D Venkatacharyulu	Same as 9A
	Physics	Mr. B Krishnareddy	Same as 9A
	Chemistry	M.V.N.L.Maheswari	Same as 9A
	Biology	Mrs. K Sahithya	Same as 9A
	Social Science	Mr.Gagandeep Singh	Same as 9A
	Arts	Mr. Rehan	Same as 9A
10A	English	Mr. D Samsundar	<p>Portfolio Activities – English Class X</p> <p>Complete all six “Part B” activities neatly on separate A4 sheets, using proper headings, margins, and clear handwriting.</p> <p>Activity 1, imagine you are Nelson Mandela on his inauguration day and create/draw an Instagram post on paper including a <u>100–120 word caption</u>, 3–5 hashtags, one supportive comment with your reply, and one critical comment with your reply.</p> <p>Activity 2, write a letter to God based on a real-life situation (failure, loss, or unfair treatment), clearly explaining the issue, asking questions, reflecting on your actions, and ending with what you learned.</p> <p>Activity 3, design a “Fire and Ice” poster inspired by Robert Frost, dividing it into problems caused by desire (fire) and by hatred</p>

			<p>or indifference (ice), along with a 60–80 word explanation.</p> <p>Activity 4, create a crossword with at least 8 words related to <i>Dust of Snow</i>, include 3 real-life clues, and add 3–4 sentences about a small positive moment.</p> <p>Activity 5, write a dramatic blog as Mrs Pumphrey describing Tricki’s condition, showing exaggerated emotions, giving advice, and adding a vet’s corrective comment.</p> <p>Activity 6, briefly explain direct and indirect speech, then convert 2 sentences each into indirect speech using the rule: Present → Past, Past → Past Perfect, and Will → Would.</p> <p>Arrange all sheets in order properly for submission.</p> <p>Subject Enrichment Activity</p> <p>Analytical Paragraph Task (Class Presentation)</p> <p>Both <i>His First Flight</i> and <i>The Black Aeroplane</i> explore fear, decision-making, and the role of external support in overcoming challenges. Write an analytical paragraph (120–150 words) examining how the characters respond to fear in different ways. Compare the young seagull’s hesitation with the pilot’s situation in the storm. Discuss whether courage comes from within or is influenced by others. Use examples from both stories to support your ideas and include your own viewpoint on how fear affects decisions in real life.</p> <p>After writing, prepare to present your paragraph orally in class, focusing on clarity, expression, and confidence.</p>
	Hindi	Mr. Yashavardhan	<p>पोर्टफोलियो - पोर्टफोलियो तैयार करें</p> <p>लेखन – ईमेल लेखन</p> <p>लेखन – किसी यात्रा का वर्णन करें</p> <p>लेखन - पत्र लेखन</p> <p>लेखन - विज्ञापन लेखन</p>

			साहित्य - बालगोबिन भगत के आधार पर ऋतुओं का वर्णन करें (स्क्रेप बुक या A4 पर) व्याकरण/रचना - रचना के आधार पर तीनों वाक्य लिखकर आएँ
	Sanskrit	Mr. Ankush	Class 10 Holidays homework sanskrit Write and learn सन्धि Learn word meaning of chapter-1, 2 Make portfolio SEA- Write and learn 2 unseen passage, 2 picture composition, 2 letters.
	Mathematics	Mr. D Venkatacharyulu	1. Complete the given worksheets including questions in HW. 2. Prepare a 3D model by the combination of three or more solid shapes with low cost or any innovative idea of your choice
	Physics	Mr. B Krishna Reddy	1.Table 9.1 Image formation by a concave mirror for different positions of the object. (Page no 138 NCERT TEXT BOOK) 2.Figure 9.7 Ray diagrams for the image formation by a concave mirror Page no 140 3.Figure 9.8 Formation of image by a convex mirror Page no 141 4.Table 9.2 Nature, position and relative size of the image formed by a convex mirror Page no 141 5.science record(2 experiments-physics part)
	Chemistry	M.V.N.L.Maheswari	Record work
	Biology	Mrs. K Sahithya	Record work
	Social Science	Mrs. D Aruna Kumari	Project on Social Issue
	AI	Mr. R Vijaya Kumar	All MCQ, Questions and answers from Unit 2. Advanced concepts of Modelling in AI
	Arts	Mr. Rehan	Decorate 1 Project file , create 2 A-3 paintings theme [Indian Traditional Art] For any query: 7982188337
10B	English	Mr. D Samsundar	Same as 10A
	Hindi	Mr. Yashavardhan	Same as 10A
	Sanskrit	Mr. Ankush	Same as 10A
	Mathematics	Mr.D Venkatacharyulu	Same as 10A
	Physics	Mr. B KrishnaReddy	Same as 10A
	Chemistry	M.V.N.L.Maheswari	Record work
	Biology	Mrs. K Sahithya	Record work
	Social Science	Mrs. D Aruna Kumari	Project on Social Issue
	AI	Mr. R Vijaya Kumar	Same as 10A
	Arts	Mr. Rehan	Same as 10A

12A	English	Mrs. Remya P	<p>1. Investigatory project</p> <p>2. Write 3 articles, 3 Reports and 3 letters to Editor. (Questions can be taken from student support material or sample papers.)</p> <p>3. Articles for school magazine.</p>
	Hindi	Mrs. Razia Sulthana	<p>1) महदेवी वर्मा जीवन परिचय</p> <p>2) वितान : सिल्वर वैडिंग, जूझ , अतीत में दबे पाँव से 20-20 प्रश्न एवं एक शब्द उत्तर लेखन </p> <p>3) अभिव्यक्ति माध्यम से 4 पाठ 20-20 प्रश्न एवं एक शब्द उत्तर लेखन </p>
	Mathematics	Mr. J Satyanarayana	Summer Holiday Home Work for Class XII: All the questions in Matrices and Determinants in 2023, 2024 and 2025 CBSE question papers.
	Physics	Mr. B KrishnaReddy	Physics record(8 experiments and 6 activities)
	Chemistry	Mrs. M.V.N.L.Maheswari	Record work, Investigatory Project
	Biology	Mr. V H K K Gupta	<p>Daily Time Allocation (1 Hour):</p> <ul style="list-style-type: none"> - 20 minutes – Reading NCERT - 25 minutes – Writing answers - 10 minutes – Diagram practice - 5 minutes – Revision <p>Submission Requirements:</p> <ul style="list-style-type: none"> - Diagrams and flowcharts - Project file <p>1. Sexual Reproduction in Flowering Plants</p> <ul style="list-style-type: none"> - Explain microsporogenesis and megasporogenesis. - Describe structure of anther and ovule. - Explain double fertilization. - Draw and label embryo sac. - Differentiate self and cross pollination. <p>2. Human Reproduction</p> <ul style="list-style-type: none"> - Describe male and female reproductive systems. - Explain spermatogenesis and oogenesis. - Describe menstrual cycle phases. - Explain fertilization and implantation. - Structure and functions of placenta. <p>3.Reproductive Health</p> <ul style="list-style-type: none"> - Explain different contraceptive methods. - What are STDs? Write prevention methods. - Explain amniocentesis and its misuse. - Importance of reproductive health. <p>Revision and Practice</p>

			<ul style="list-style-type: none"> - Solve sample paper questions of these three chapters - Practice all important diagrams. - Revise NCERT key points. <p>Project Work (Compulsory): Prepare one project (20 pages) on any one topic:</p> <ul style="list-style-type: none"> - Human Genome Project - Biotechnology in Medicine - Environmental Issues - Evolution
	Computer Science	Mr. R Vijaya Kumar	Investigatory Project
	AI	Mr. R Vijaya Kumar	Capstone Project