

**D.D.M.S P OBUL REDDY PUBLIC SCHOOL**  
**SUBJECT ENRICHMENT ACTIVITY -2021**

CLASS: X

Subject	Assignment
English	<p>Question-1:</p> <p>Design a template for a 4 page E-Newsletter for the school making provisions for articles, advertisements, quotations, school news etc. Please note:A soft copy of your work in pdf format has to be sent to the teacher for evaluation.</p> <p>Rubrics:</p> <p>Creativity-2m</p> <p>Relevant content-3m</p> <p>Question-2:</p> <p>Write a story with the theme 'Hope and Faith in God' in about 50-60 words in an A4 size sheet. (The best story will be selected for the CBSE Story Writing Competition)</p> <p>Rubrics:</p> <p>Title-1m</p> <p>Fluency-2m</p> <p>Accuracy-2m</p> <p>Question-3:</p> <p>Give a different ending to the story 'A Letter to God' in about 50-60 words. Use an A4 size sheet to answer this question.</p> <p>Rubrics:</p> <p>Creativity-2</p> <p>Fluency-1½ m</p> <p>Accuracy- 1½ m</p> <p><b>Please note:</b></p> <p><b>*Question 1 is compulsory</b></p> <p><b>*You may answer either question 2 or 3.</b></p> <p><b>Your project must be manually prepared. Typed script will not be accepted</b></p>
Mathematics	<p><b>1. Define a polynomial? Write the classification of polynomials based on terms and degrees.</b></p> <p><b>2. Define each type of polynomial with an example. Students can use the given link for an idea.</b></p>

	<p><a href="https://pin.it/5tDI8sq">https://pin.it/5tDI8sq</a>  <a href="https://pin.it/1gaK9EG">https://pin.it/1gaK9EG</a>  <b>Instructions to be followed:</b></p> <ol style="list-style-type: none"> <li><b>1. Students need to paste the work done by them on A4 sheet.</b></li> <li><b>2. Shading should be done only with colour pencils.</b></li> <li><b>3. Content must be written with glitter pens.</b></li> </ol> <p><b>RUBRICS:</b></p> <ol style="list-style-type: none"> <li><b>1. Content : 3M</b></li> <li><b>2. Presentation with Art : 5M</b></li> <li><b>3. Punctuality : 2M</b></li> </ol>
<p><b>Science</b> <b>Physics</b></p>	<ol style="list-style-type: none"> <li>4. Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I. Unit-IV</li> <li>5. Determination of the equivalent resistance of two resistors when connected in series and parallel. Unit-IV</li> <li>10. Determination of the focal length of i) Concave mirror ii) Convex lens by obtaining the image of a distant object. Unit-III</li> <li>11. Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result. Unit - III</li> <li>13. Tracing the path of the rays of light through a glass prism. Unit-III</li> <li>14. Finding the image distance for varying object distances in case of a convex lens and drawing corresponding ray diagrams to show the nature of image formed. Unit-III</li> </ol> <p>Complete writing the above experiments, in the same order, according to the below mentioned instructions and referring to the lab manual, in the lab record.</p> <p><b>Instructions:</b>  <b>Heading:</b>  <b>Aim:</b>  <b>Materials/Apparatus Required:</b>  <b>Observation table:</b> (on the blank paper on the left side of the lab record)  Physics: Draw blank tables (as applicable per the respective experiment so that the readings can be tabulated</p>

when the experiment is done)  
**Diagrams:** All related diagrams and circuits to be drawn (on the blank paper on the left side of the lab record)  
**Procedure :** Where ever applicable write the gist in own words after understanding the experiment  
**Result/Inference:** Leave the space empty to fill after the experiment is done.  
**Precautions:** Any five

Read each experiment carefully to understand the principle working behind it  
Study the theory behind the experiment thoroughly  
Understand the basics of the experiment, to be able to answer during viva voice  
Learn the stepwise procedure to be able to conduct each experiment properly  
Learn the circuits and diagrams properly wherever required

**RUBRICS:**  
Index 1m    Tables 2m        Diagrams 2m        Content 3m  
Presentation 1m        Timely submission: 1m  
Total: 10m

Write the following experiments in your lab record:

**Chemistry**

1. A. Finding the pH of the following samples by using pH paper/universal indicator:
  - (i) Dilute Hydrochloric Acid
  - (ii) Dilute NaOH solution
  - (iii) Dilute Ethanoic Acid solution
  - (iv) Lemon juice
  - (v) Water
  - (vi) Dilute Hydrogen Carbonate solution
 B. Studying the properties of acids and bases (HCl & NaOH) on the basis of their reaction with:
  - a) Litmus solution (Blue/Red)
  - b) Zinc metal
  - c) Solid sodium carbonate
  
2. Performing and observing the following reactions and classifying them into:
  - A. Combination reaction
  - B. Decomposition reaction
  - C. Displacement reaction
  - D. Double displacement reaction
  - (i) Action of water on quicklime
  - (ii) Action of heat on ferrous sulphate crystals
  - (iii) Iron nails kept in copper sulphate solution
  - (iv) Reaction between sodium sulphate and barium chloride solutions
  
3. Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions:

i) ZnSO <sub>4</sub> (aq)	ii) FeSO <sub>4</sub> (aq)
iii) CuSO <sub>4</sub> (aq)	iv) Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> (aq)

	<p>Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.</p> <p>4. Study of the following properties of acetic acid (ethanoic acid):</p> <ol style="list-style-type: none"> <li>i) Odour</li> <li>ii) solubility in water</li> <li>iii) effect on litmus</li> <li>iv) reaction with Sodium Hydrogen Carbonate</li> </ol> <p>5. Study of the comparative cleaning capacity of a sample of soap in soft and hard water.</p>
<p><b>Biology</b></p>	<p><b>Complete the following Experiments in the Biology record: ( 10 Marks )</b></p> <ul style="list-style-type: none"> <li>● <b>Draw margins in all four sides of the white paper (left side)</b></li> <li>● <b>Draw the diagram neatly in the middle of the page name and label the parts at right side in capital letters .</b></li> <li>● <b>Use only pencil to draw.</b></li> <li>● <b>Do not use any colours.</b></li> <li>● <b>Write Complete experiment (Aim to Precautions)</b></li> </ul> <ol style="list-style-type: none"> <li>1. Preparing a temporary mount of a leaf peel to show stomata.</li> <li>2. Experimentally show that carbon dioxide is given out during respiration.</li> <li>3. Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of prepared slides.</li> <li>4. Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).</li> </ol>
<p><b>Social</b></p>	<p><b>Choose any one of the following topics.</b></p> <ol style="list-style-type: none"> <li>1. <b>Consumer Awareness</b></li> <li style="text-align: center;">Or</li> <li>2. <b>Social Issues</b></li> <li style="text-align: center;">Or</li> <li>3. <b>Sustainable Development</b></li> </ol> <p><b>Guidelines :</b></p> <ol style="list-style-type: none"> <li>a. Students are expected to apply the social science concepts that they have learnt over the years in order to prepare the project report.</li> <li>b. The projects and models should be prepared by using eco - friendly material without incurring too much of expenditure.</li> <li>c. The project report should be handwritten by students themselves.</li> <li>d. Cover page should depict the topic, next page index then followed by topic content 8 to 10 pages, stick relevant pictures Left side of the page &amp; label them, last page conclusion &amp; bibliography.</li> </ol> <p>d. The distribution of marks over different aspects relating to Project work is as follows :</p>

		Rubrics :		
		S.No	Aspects	Marks
		a	Content accuracy, originality and analysis	2 + 2
		b	Presentation and creativity	2 + 2
		c	Viva Voce	2
II Language Hindi	<p>कबीर के समकालीन किन्हीं चार कवियों की जानकारी एकत्रित कर चित्र सहित A4 size sheet में ८० से १०० शब्दों में लिखिए   उन कवियों के दो-दो दोहे या पद भी लिखना अनिवार्य है  </p> <p>Rubrics - विषय वस्तु (Content) - 2 Marks  भाषा - ( Language ) - 2 Marks  प्रस्तुतिकरण - (Presentation) - <u>1 Mark</u>  Total - 5 MARKS</p>			
Telugu	<p>రామాయణములోని ఋషుల పేర్లు వారి ఆశ్రమాల పేర్లను చిత్రములతో వివరాలను సేకరించి నమునా (ప్రాజెక్ట్) తయారు చేయండి.</p> <p>MARKS - 5  విషయము -1  వివరణ - 2  భాష + వ్రాత _ 1  చిత్రములు _ 1</p>			

<p><b>INFORMATION TECHNOLOGY</b></p>	<p><b>INFORMATION TECHNOLOGY (402)</b>  Design a Poster on “Cyber Etiquette”. Include suitable images and objects in the poster.</p> <ul style="list-style-type: none"> <li>• Can be done on a sheet of paper and scanned</li> <li>• Designed in any application program like Paint, Photoshop, Word etc.</li> </ul> <p><b>COMPUTER APPLICATIONS (165)</b>  Describe the following: VIDEO CONFERENCING, E-LEARNING, E-COMMERCE</p> <ul style="list-style-type: none"> <li>• Content for each topic should be of 100 to 150 words.</li> <li>• Write the advantages and disadvantages of each topic.</li> <li>• Type neatly in a word document, with sub-headings and bullet points.</li> </ul>
<p><b>HPE</b></p>	<p><b><u>GUIDELINES:</u></b></p> <ul style="list-style-type: none"> <li>➤ The project should be on Health and Physical Education Record Book.</li> <li>➤ Only hand-written.</li> <li>➤ Must be added pictures relevant for the topic.</li> <li>➤ Cover page Record Book.</li> <li>➤ Must be submitted on 15<sup>th</sup> June 21.</li> <li>➤ Creativity will carry extra marks.</li> </ul> <p><b><u>Instructions :</u> Students need to attempt all topics compulsory given below that can even refer any additional material relevant to the topic.</b></p> <ol style="list-style-type: none"> <li><b>1. Draw the diagraeme of field (court), History, fundamental skills, Awardees, and Equipment of any one Game of your choice out of the below list .</b>  <b>10M</b>  <b>(Kabaddi, Volleyball, Basketball, Football)</b></li> <li><b>2. Draw any two Asanas and describe for improving concentration in children. (padmasana, vrikshasana, Naukasana.)</b>  <b>10M</b></li> </ol>

**Note: All the assignments should be done in the scrap book and to be submitted on the reopening day of the school.**