

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

CLASS: IX

Subject	Assignment
English	<p>Question-1:</p> <p>Design a comic strip with the theme 'The Road Not Taken'. Use an A4 size sheet to answer this question.</p> <p>Please note:Your project must be manually prepared. Typed script will not be accepted.</p> <p>Rubrics:</p> <p>Creativity-2m</p> <p>Relevant content-3m</p> <p>Question-2:</p> <p>If you are given a choice between written examination or a comprehensive assessment, which one would you opt for and why?</p> <p>Rubrics:</p> <p>Fluency-2½ m</p> <p>Accuracy- 2½ m</p> <p>Question-3:</p> <p>Interview one of your family members on the turning point in their life.</p> <p>Please note: Your project must be manually prepared. It should contain at least 5 questions. Typed script will not be accepted.</p> <p>Rubrics:</p> <p>Language and usage- 2½ m</p> <p>Accuracy- 2½ m</p> <p>Please note:</p> <p>*Question 1 is compulsory</p> <p>*You may answer either question 2 or 3.</p> <p>Your project must be manually prepared. Typed script will not be accepted.</p>
Mathematics	<p>1. What is the real number system? What is the importance of the real number system.</p> <p>2. Give example of each type of numbers in the number system.</p>

	<p>Students can use the given link for an idea.</p> <p>https://pin.it/5tDI8sq https://pin.it/1gaK9EG</p> <p>Instructions to be followed:</p> <ol style="list-style-type: none"> 1. Students need to paste the work done by them on A4 sheet. 2. Shading should be done only with colour pencils. 3. Content must be written with glitter pens. <p>RUBRICS:</p> <ol style="list-style-type: none"> 1. Content : 3M 2. Presentation with Art : 5M 3. Punctuality : 2M
<p>Science Physics</p>	<ol style="list-style-type: none"> 8. Verification of the Laws of reflection of sound. Unit-III 9. Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder. Unit-III 10. Establishing the relation between the loss in weight of a solid when fully immersed in <ol style="list-style-type: none"> a) Tap water Unit-III b) Strongly salty water with the weight of water displaced by it by taking atleast two different solids. 11. Determination of the speed of a pulse propagated through a stretched string/slinky (helical spring). Unit-III <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>INSTRUCTIONS:</p> <p>Heading</p> <p>Aim:</p> <p>Materials/Apparatus Required:</p> <p>Observation table: (on the blank paper on the left side of the lab record)</p> <p>Physics: Draw blank tables (as applicable per the respective experiment so that the readings can be tabulated when the experiment is done)</p> <p>Diagrams: All related diagrams and circuits to be drawn (on the blank paper on the left side of the lab record)</p> <p>Procedure : Where ever applicable write the gist in own words after understanding the experiment</p> <p>Result/Inference: Leave the space empty to fill after the experiment is done.</p> <p>Precautions: Any five</p> <p>Read each experiment carefully to understand the principle working behind it</p> <p>Study the theory behind the experiment thoroughly</p>

	<p>Understand the basics of the experiment, to be able to answer during viva voce Learn the step-wise procedure to be able to conduct each experiment properly Learn the circuits and diagrams properly wherever required</p> <p>RUBRICS: Index 1m Tables 2m Diagrams 2m Content 3m Presentation 1m Timely submission: 1m Total: 10m</p> <p>Write the following experiments in your lab records:</p>
<p>Chemistry</p>	<p>1. Preparation of:</p> <ol style="list-style-type: none"> a) a true solution of common salt, sugar and alum b) a suspension of soil, chalk powder and fine sand in water c) a colloidal solution of starch in water and egg albumin/milk in water and distinguish between these on the basis of <ul style="list-style-type: none"> ● transparency ● filtration criterion ● stability <p>2. Preparation of</p> <ol style="list-style-type: none"> a) A mixture b) A compound <p>using iron filings and sulphur powder and distinguishing between these on the basis of:</p> <ol style="list-style-type: none"> (i) appearance, i.e., homogeneity and heterogeneity (ii) behaviour towards a magnet (iii) behaviour towards carbon disulphide as a solvent (iv) effect of heat <p>3. Separation of the components of a mixture of sand, common salt and ammonium chloride (or camphor).</p> <p>4. Perform the following reactions and classify them as physical or chemical changes:</p> <ol style="list-style-type: none"> a) Iron with copper sulphate solution in water b) Burning of magnesium ribbon in air c) Zinc with dilute sulphuric acid d) Heating of copper sulphate crystals e) Sodium sulphate with barium chloride in the form of their solutions in water

	<p>5. Determination of the melting point of ice and the boiling point of water.</p> <p>6. Verification of law of conservation of mass in a chemical reaction.</p>
<p>Biology</p>	<p>Complete the following Experiments in the Biology record: (10 Marks)</p> <ul style="list-style-type: none"> ● Draw margins in all four sides of the white paper (left side) ● Draw the diagram neatly in the middle of the page name and label the parts at the right side in capital letters . ● Use only pencil to draw. ● Do not use any colours. ● Write Complete experiment (Aim to Precautions) <p>1. Preparation of stained temporary mounts of (a) onion peel, (b) human cheek cells & to record observations and draw their labeled diagrams.</p> <p>2. Identification of Parenchyma, collenchyma and Sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibers and nerve cells in animals, from prepared slides. Draw their labeled diagrams..</p> <p>3. Collect the information on Vaccinations (online only) and prepare an Immunization chart.</p>
<p>Social</p>	<p>Topic : Disaster Management – Mitigation</p> <p>Procedure : Choose Any one natural disaster (Earthquake or Cyclone)</p> <p>a. The project report should be handwritten by students themselves.</p> <p>b. Cover page should depict the topic , next page index then followed by topic content 4 to 5 pages, stick relevant pictures Left side of the page & label them, last page conclusion & bibliography.</p> <p>Guidelines :</p> <ol style="list-style-type: none"> 1. Causes - The vulnerability of different parts of the state to different kinds of disasters. 2. Risk Identification/Assessment - Participatory Approach - The plan preparation process essentially aims at strengthening the communities, elected local bodies and state administration’s response and preparedness. 3. Risk reduction Community Based DM - During any disaster, communities are always the first responders. Community participation ensures local ownership, addresses local needs, and promotes volunteerism and mutual help to prevent and minimise damage. 4. Main Mitigation Strategies The measures to be adopted for prevention and mitigation of disasters. The manner in which mitigation

measures shall be integrated with development plans and projects.

Duration : 30 days

Learning Objective :

Capacity to obtain, analyse, and communicate information on risks, relief needs and lessons learned from earlier disasters in order to formulate strategies for mitigation in future scenarios .

Rubrics : 10M

The distribution of marks over different aspects relating to Project work is as follows :

1.	Content accuracy and originality	2m
2.	Presentation and creativity	2m
3.	Process of project completion	2m
4.	(initiative, cooperativeness, participation & punctuality)	2m
5.	Viva or written test for content assimilation	2m

II Language

Hindi

दुःख का अधिकार पाठ में लेखक की जगह पर अगर आप होते तो भगवाना की माँ की सहायता कैसे करते समाज में व्याप्त अंधविश्वास और वर्ग-भेद के निर्मूलन हेतु आप किस तरह के कदम उठाएँगे ८० से १०० शब्दों में A4 size sheet में लिखिए।

Rubrics - विषय वस्तु (Content) - 2 Marks

भाषा - (Language) - 2 Marks

प्रस्तुतिकरण - (Presentation) - 1 Mark

Total - 5 MARKS

Telugu

మన దేశానికి సేవ చేసిన స్వతంత్ర ఉద్యమములో పాల్గొన్న నాయకులలో అయిదుగురి గురించి చిత్రములతో వివరాలు సేకరించి నమునా (ప్రాజెక్ట్)తయారు చేయండి

MARKS - 5

	<p>విషయము -1</p> <p>వివరణ - 2</p> <p>భాష + వ్రాత _ 1</p> <p>చిత్రములు _ 1</p> <p>గమనిక : ప్రాజెక్ట్ A4 షీట్స్ పై చేయాలి.</p>
<p>INFORMATION TECHNOLOGY</p>	<p>INFORMATION TECHNOLOGY (402)</p> <p>Create an interesting presentation on the topic “Wireless Computing” in 10 slides. Insert a title slide and a concluding slide along with relevant images wherever necessary. Animations and Transitions to be applied in all the slides.</p> <p>COMPUTER APPLICATIONS (165)</p> <p>Write an article on the topic “Cyber safety” in MS word (3 to 5 pages) inserting the features given below. Font size:12, Font style: Comic Sans MS , Page numbers, Page borders , Page colour. Insert relevant pictures with picture borders wherever necessary.</p>
<p>HPE</p>	<p><u>GUIDELINES:</u></p> <ul style="list-style-type: none"> ➤ The project should be on Health and Physical Education Record Book. ➤ Only hand-written. ➤ Must be added pictures relevant for the topic. ➤ Cover page Record Book. ➤ Must be submitted on 15th June 21. ➤ Creativity will carry extra marks. <p><u>Instructions:</u> Students need to attempt all topics compulsory given below that can even refer any additional material relevant to the topic.</p> <ol style="list-style-type: none"> 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 . 10M (Kabaddi, Volleyball, Basketball, Football) 2. Draw any two Asanas and describe for improving concentration in children. (padmasana, vrikshasana, Naukasana.) 10M

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