

INTEGRATED PROJECT **SESSION-2020-21** **Project Lay-Out** **CLASS - X**

SUBJECT- ENGLISH

CLASS- X

Project Lay out-Instructions for the Project

- ✚ Write a paragraph of 150 words narrating a story/ incident when you felt the need or importance of your mother the most. (on A4- size paper)
- ✚ Prepare a card for your mother quoting some quotations for her well - being and importance of her presence in your life.
(with chart paper or A4 - size paper)

SUBJECT- HINDI

CLASS- X

Project Lay out-Subject wise-Instructions for the Project

A - 4 साइज के पेपर पर _सूरदास कस भक्ति - मार्ग के समर्थक थे _प्रमाणत कीजिये |
पर परियोजना कार्य तैयार कीजिए |

SUBJECT- Math's

CLASS- X

Project Lay out-Subject wise-Instructions for the Project

- To obtain the conditions for consistency of a system of linear equations in two variables by graphical method.
- Prepare a power point presentation on the concept "A Pair of Linear Equation in Two variable".
- Draw the graph of the linear equations $3x - 2y - 1 = 0$ and $2x - 3y + 6 = 0$ on the same graph sheet. Write down the co-ordinates of the points where these lines meet with the axes, shade the region between the lines and x-axis. Also find the area of triangle so formed.

SUBJECT- SCIENCE

CLASS- X

Project Lay out-Subject wise-Instructions for the Project

PHYSICS

Write the activity in loose ruled sheets

Draw the ray diagram of the images formed by the Convex lens for the the objects placed at the following positions: -

- I. When the Object is at infinity
- II. When the Object is beyond $2F$
- III. When the Object is at $2F$
- IV. When the object is between $2F$ and F
- V. When the Object is at F
- VI. When the Object is between F and Optical centre

And then answer the following: -

- (a) Which of the above case is used as the principle of Simple microscope
- (b) In which case the image size is equal to the Object size
- (c) In which case the magnification is positive and in which case it is negative.

CHEMISTRY

Write the activity in loose ruled sheets

Topic

"Baking Soda vs Baking Powder Science Experiment"

Link (for reference)

<https://www.steampoweredfamily.com/activities/baking-soda-vs-baking-powder-science-experiment/>

BIOLOGY

Write the activity in loose ruled sheets

Topic

"How Light Affects Plant Growth"

Link (for reference)

<https://www.education.com/science-fair/article/light-affects-plant-growth/>

What should be the essential elements of your project?

Ideally, your project should have the following elements:

- Synopsis - This is a summary of your idea and should include the purpose of the experiment, procedure used, data, and conclusion
- Research paper - A research paper should be prepared and must be available along with the project data book with relevant written material. A research

paper helps organize data as well as thoughts. A good paper includes the following sections:

- Title page: Centre the project title, and put your name, address and school
- Aim / Objective: The introduction sets the stage for your report. The aim includes your hypothesis, an explanation of what prompted your research and what you hoped to achieve.
- Scientific Principle Involved: In this section describe the principal involved.
- Material Used: List all the items used here this will help you in working out the final cost.
- Method: This section describes how you did the study. Describe in detail the methodology used to collect your data or make your observations. Your report should be detailed enough for someone to be able to repeat the experiment. Include photographs or drawings of self-designed equipment. The research work conducted by you may have taken more than a year. In such case, include this year's work only.
- Discussion: This is the essence of your paper. The results and conclusions should flow smoothly and logically from your data. Be thorough. This should let the reader know exactly what you did, compare your results with theoretical values, published data and expected results. Include a section of possible errors. How did the data vary between repeated observations of a similar event? How were your results affected by uncontrolled events? What would you do differently if you were to repeat this project? What other experiments should be conducted?
- Conclusion: This section describes the findings and conclusion of the project. Briefly summarize your results. Be specific, do not generalize. Never introduce anything in the conclusion that has not been discussed.
- Further scope of project: This is a step further; here you describe the future scope of your experiment.

- Acknowledgement: You should always give credit to those who assisted you; they may be individuals, educational or research institutions.
- Reference list: Your reference list should include any documentation that is not your own (i.e. books, journal articles, include specific internet url's)

SUBJECT- Social Science

CLASS- X

Project Lay out-Subject wise-Instructions for the Project

 Compare the Power Sharing model of Belgium and Sri Lanka.

SUBJECT- COMPUTER APPLICATION

CLASS- X

Project Lay out-Subject wise-Instructions for the Project

Create a website depicting Pollution, its types, causes, and various preventive measures to control them. All the web pages should be inter-linked. Include a suggestion form to your website. Refer pg-297 of your book. write the coding on notebook and save it with extension .htm and .html. Take print out of it and Create IT Report file.