

Summer Holiday Homework

(2019-2020)

Grade:-IX

ENGLISH

1. Read the book 'Wings on Fire' by A. P J Abdul Kalam and write a book Review.

2. Collect any 5 News items on the given issues. Paste them in a scrapbook and comment on any two in 100-120 words.

a) Environmental issues

b) Technological Developments

हिंदी

- कन्ही पाँच चत्रों का वर्णन कीजिये।

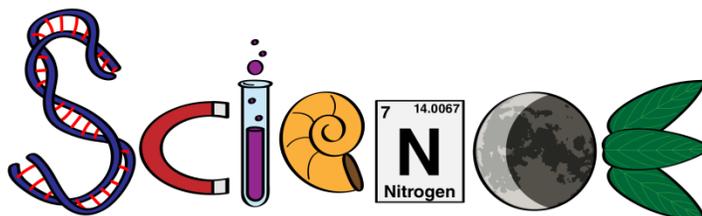
Math

1. Make an illustrative project file for the following:

- i. Search 10 new mathematical symbols from the internet, books, magazines etc.
- ii. Collect information about their origin, meaning and their use in different areas of mathematics.

2. Make an illustrative project file for the following:

- i. Choose any 5 objects which are a combination of two or more 3D shapes (cuboid, cube, cylinder, cone, sphere and hemisphere).
- ii. Measure their dimensions (round off to nearest natural number) and note them in your file.
- iii. Calculate the curved/lateral and the total surface area of these solids.
- iv. Also, find the volume of these solids.
- v. Click pictures of the objects chosen and paste them along with the calculations. (You may also draw the pictures of the objects.)



A) Make a model of Prokaryotic / Eukaryotic Cell. Prepare a short speech on membrane bound cell organelles (any two).

B) Make a project file to study the cooling caused due to evaporation. Mention and illustrate this effect with the help of at least five applications from our daily life.

C) Write the Term – 1 experiments along with figures in your Lab Manuals.



Suggested Projects [Do any one project]

Class IX

1. Identify the different hazards that your area is prone to and list them into three broad headings, viz; natural, socio-natural and human induced. Enumerate some ways through which the impact of these can be reduced.
2. Preparedness for a disaster –Are you prepared ? Identify your role as a student , as a family member and as a member of RWA in pre, during and post disaster situation.
3. The project report should be developed and presented in this order
 - a) Cover page showing project title, student information, school and year.
 - b) List of contents with page numbers.
 - c) Certificate page
 - d) Acknowledgements (acknowledging the institution, offices and libraries visited and persons who have helped).
 - e) Chapters with relevant headings.
 - f) Summary and conclusions based on findings.
 - g) Bibliography: should have the Title, author, publisher and if a website the name of the website with the specific website link which has been used.