



MODERN SCHOOL VAISHALI
SUMMER HOLIDAY HOMEWORK
CLASS :- IX SESSION 2025-26

English:-

Criteria for making the Portfolio:

- Organization – Neatness and Visual Appeal
- Creativity of work
- Evidences of student's learning and growth

The portfolio should include the following:

Page 1-Cover page ,with the title of the project ,school details and details of the student .

Page 2-Certificate of Completion under the guidance of the teacher .

Page 3 and 4-Write a self composed poem describing Kashmir and Andhra Pradesh in about 12 to 16 lines.

Mention Rhyming Scheme if any

Use atleast two poetic devices from the choices given (Alliteration, Hyperbole, Metaphor, Simile , Personification)

Suitable Title

Specify the poetic devices with reference to the poem

Page 5 -Create a crossword puzzle with relevant clues to answer the following requisites:-

5 down and 5 across

Any one Poet from Kashmir and Andhra Pradesh

Any one Author from Kashmir and Andhra Pradesh

Famous Art work from Kashmir and Andhra Pradesh

Famous Literary Work from Kashmir and Andhra Pradesh (Book Name)

Sports Personality from Bihar and Madhya Pradesh

Pages 6 & 7 -Write a descriptive paragraph describing any one of the following famous personalities and any one famous place of Bihar.

Person

Place

Mr. Malay Roy Choudhury

Nalanda University

Ms. Mridula Sinha

Rajgir Wildlife Sanctuary

*Page 8 –Write a diary entry of your experience when you studied for a month on virtual mode.

INSTRUCTIONS:

The portfolio should be neat and legible, with an emphasis on quality of content, accuracy of information, creative expression , proper sequencing and relevance.

Use colored A4-size sheet.

Plagiarism is strictly prohibited.

HINDI

1. किसी स्वर्ण पदक विजेता खिलाड़ी से साक्षात्कार करें, उसे संवाद शैली में लिखिए।

2. कोई पांच लघु कथाओं पर सचित्र व शिक्षा सहित पत्रिका तैयार कीजिए।

3. भारत के प्रमुख पक्षी वैज्ञानिकों की सूची तैयार करें एवं किन्हीं दो वैज्ञानिकों के विषय में सचित्र जानकारी को एकत्रित करके परियोजना तैयार करें।

4. भक्तिकालीन कवियों की सूची बनाएँ एवं किन्हीं दो कवियों की रचनाओं का संग्रह करें।

MATHS:

1. Take a cylindrical object (like bottle and any tumbler) paint it with any art form of Meghalaya or Arunachal Pradesh and find out volume and curved surfaces area of the bottle, by using the formula of surface area and volume. And prepare a ppt for the same project.

2. Prepare all chapters done in the class.

Do following activities in maths manual file.

To construct a square root spiral

To represent some irrational no. on number line

To verify exterior angle property of a triangle

To verify geometrically algebraic identity: $(x + y + z)^2$

To verify geometrically algebraic identity: $(x + y)^3$

SCIENCE:-

PHYSICS

Q 1 Design an experiment to find the speed of your favorite object? Make a data Table between distance and time. Use the gradient of distance – time graph to find the correlation between distance and time. Also hence comment on its speed at 5 different intervals of time.

Q 2 (a) Make a 7 Layer Density tower using your favorite Liquids/solids. Share your experience using photographs. (b) How do you think the density of liquids will change if you increase their concentration? Form a hypothesis and design an experiment to investigate the research question.

Q 3 Explore more about pendulums using one of the below given topics: (i) Seconds Pendulum (ii) Pendulum Examples (iii) Free Body Diagrams of a simple pendulum (iv) Pendulum Dowsing (v) Galileo pendulum (vi) Ballistic Pendulum (vii) First Pendulum Clock (viii) Pendulum swings (ix) Swinging pendulum Balls (x) Quartz Pendulum wall clock

Q 4 Choose a topic from the below given to demonstrate an application of pressure. Explain your findings on a Chart with pictures/diagrams. (i) Soccer Ball Air Pressure (ii) Hot air Balloons (iii) Hydraulic Machines (iv) Role of pressure in spinning Ball (vi) Pressure Law of Gases (vii) Atmospheric pressure in straw water (viii) Atmospheric Pressure on earth and its applications (ix) Role of pressure in working of a hand pump (x) Atmospheric pressure with Elevation

CHEMISTRY

Projects:

Laws of chemical combination:

Create a chart paper presentation summarizing the laws of chemical combination and their explanations.

Compounds:

Prepare a chart paper listing 20 simple compounds, including their chemical formulas and names.

BIOLOGY:-

1. Make a power point presentation on cell organelles
2. Do the assigned practical work in practical file.

IT

1. Do the activities given on Page 249, 263, 273, 307. Write down the steps and paste the screenshot in a separate practical file.
2. Write an article explaining your experience about AI convert this manual document to digital document using Libre office Writer

SOCIAL SCIENCE

- Design a Bill of Rights for your classroom.(It should include atleast 5 rights and 5 duties)
- Make a working model of **anyone** river drainage system in India.
- Prepare a model depicting the various physical features of India such as Himalayan mountains, plateaus, plains etc.
- Prepare a model of the different economic activities practised in our country.
(Students can do any 3 of the above activities)

HAPPY SUMMER VACATIONS!