BIOLOGY

ACTIVITY- 1- **Make a visit to a place where medicinal plants are found. Write about 10 medicinal plants and paste their in the following manner-**

1- Specimen (paste)

2- Common Name

3- Botanical name

4- Family Name-

5- Medicinal Use-

6- Write the names of medicines in which plants are used

ACTIVITY- 2- Write any 5 biology activities from your NCERT book along with their diagrams.

ACTIVITY- 3- Write about any five animals in the following manner-

1- Common name-

2- Zoological name-

3- Phylum-

4- Any ten characterstics-

English:

- Make a project on the famous poet William wordsworth a literary sketch along with his two poems
- Watch a movie Civil war, Jurassic park 3, Harry Potter, Jumanji and Goblet of Fire.
- Name the script writer and the director of the movie main character favorite character summary inner message.
- An activity read a lesson. The named Duke
- Take out the Adjective and adverbs and convert them into sentence.
- Debate: Should mobile be completely banned for the students.
- How is the internet world useful for us.

Biology:

- Make a visit to a place where work medical plants are found. Write about 10 Medical plants and their specimen in following Manner
- Botanical Name
- Family
- Medical use
- Give Examples of medicine in which they used
- Write any five biology activities from your NCERT book along with diagrams
- Write about any 5 animals in the following aspects
- Common Name
- ZOOLOGICAL Name
- Phylom
- Characteristic (any 10)

Chemistry:

- Explain different types of solution?
- Explain different types of colloid?
- Five Numerical on concentration?
- Write the characteristics of solid, liquid & gas?
- What are mixture and also explain its types?

Social:

- Locate the following features on a outline map of India Karakoram, Zaskar, Aravalli, Satpura, Cardamom hills, GarO Khase, Jantia Hills, Naga Hills.
- Mountain peaks K2, Nandadevi, Kanchanjunga, Anaimudi, Mahendragiri.
- Aghillpass, Shipkila and Nathula.
- Trace the destruction of democracy in Germany.

- Write about any one Natural disaster (File).

Hindi:

- किसी भी एक उत्पाद से संबधित अरतबार में दिए जाने वाले विज्ञापन को तैयार करके लिखें।
- अपनी किसी प्रमुख यात्रा से संबधित वतात लिखिए।
- बैंक में खाता खोलने के लिए मैनेजर प्रबंधक के नाम एक प्रार्थना पत्र लिखे।
- नीचे दिए गए विषयों पर लगभग 250 शब्दो में निब्ध लिखिए।
- पयावरण और हमारा दायित्व
- विदेश के प्रति बढ़ता मोह सकेंत बिदु
- भूमिका
- विदेश एवं विदेशी चीजो के प्रति बढ़ता आकर्षण
- आर्थिक कारण जैसे बेहतर जीवन शैली आदि।
- डसका प्रभव
- डपसंहार

Physics:

- Sample problems (examples) of chapter 1

Maths:

Q1 Simplify : By rationalizing the denominator

$$\frac{6 - 4\sqrt{3}}{6 + 4\sqrt{3}}$$

Q2 Find the Value of $\dfrac{\sqrt{32} + \sqrt{48}}{\sqrt{8} + \sqrt{12}}$

Q3 Rationalize the denominator of $\dfrac{7}{3\sqrt{3} - 2\sqrt{2}}$

Q4 If $x = \frac{\overline{2}+1}{\overline{2}-1}$ and $y == \frac{\overline{2}-1}{\overline{2}+1}$ find the value of x^2+y^2+xy

Q5 If x is a positive real number and exponents are rational numbers simplify:

$$\left[\frac{x^b}{x^c}\right]^{(b+c-a)} * \left[\frac{x^c}{x^a}\right]^{(c+a-b)} * \left[\frac{x^a}{x^b}\right]^{(a+b-c)}$$

Q6 Express $\frac{x^2+7x+12}{x^2+2x-3}$ into lowest terms

Q7 Prove that $(x-y)^3-(x-y)^3-6y(x^2-y^2)=8y^3$

Q8 A triangular park in a city has dimensions 30m, 26m and 28m. A gardener has a plant grass inside it at Rs. 1.50 per m^2. Find the amount to be paid to the gardener.

Q9 Find the area of a triangle whose perimeter is 180 cm and two of its sides are 80cm and 18cm. Calculate the altitude of the triangle corresponding to its shortest side.

Q10 The sides of a triangle area in the ratio 3:4:5. If the perimeter of the triangle is 360m, Find the area using heron's formula.

Q11 Plot three points A(4,0) B(0,-4) and C(-4,0) on the coordinate plane. Now plot point D so that ABCD is a rhombus. Give coordinates of the point D.

Q12 Let ABC be an equilateral triangle in which coordinates of B & C are (5,0) and (-5,0) respectively. Find the coordinates of the point A.

Q13 Plot two points A(5,5) and B(-5,-5) on the graph paper. Draw line segment AB & find its mid points.

Q14 Plot the points (2,3) (3,-4) (-4,5) (-5,-6) (-2,0) (0,5) (0,-5) and (-5,0)

Q15 If we plot the point A(-1,0) B(-1,1) C(0,1) D(0,0) on a Cartesian plane. Which fig. is formed? On joining the points in order. Also identify the shape of the figure.