



D Y PATIL INTERNATIONAL SCHOOL, BOKARO

Vidya Vihar Complex, Talgaria Road, Alkusa-827013

(Affiliated to C.B.S.E, New Delhi, up to +2 level, Affiliation no. 3430753)

SUMMER HOLIDAY HOMEWORK

GRADE -VII

Dear Parents,

Summer vacations are a welcome break for our children- a break from getting up early in the morning and following a fixed schedule. This is a great time to learn new things. Keeping this in mind, to keep our little angels engaged and to channelize their energies we have planned very interesting and creative holiday home works for them.

It's time to have fun, create and invent.

SCIENCE

PHYSICS

1. India is dreaming of “**solar power for sustainable future**”. Draw and write about different application of solar power [in the physics HW note-book]
2. “**We often use electricity and fuels like coal and wood to keep our houses cool or warm**”. Is it possible to construct buildings that are not affected much by heat or cold outside? Search, draw pictures and write to justify your answer. [in the physics HW note-book]

CHEMISTRY

1. We see different types of changes happening around us every day. Make a collage to show the different types of chemical changes and physical changes.
2. On large chart paper draw an activity to show that carbon dioxide gas is evolved during a chemical reaction between vinegar and baking soda. (refer page no. – 81 of your book)
3. Write 20 internal questions and answers from the chapter :-Physical and chemical changes.
4. In A4 size chart paper write all the steps to balance a chemical equation.

BIOLOGY

Make a project report file illustrating comparison and contrast of the nutrition in plants and animals.

Draw on an A4 Size chart paper to depict the Human Digestive System or Photosynthesis.

MATHEMATICS

1. In your mathematics HW copy solve the following test papers given at the end of each chapter of your mathematics book.
 - Test paper 1- Integers
 - Test paper 2- Fractions
 - Test paper 3- Decimals
 - Test paper 4- Rational Numbers
2. Prepare a model of a city or an area to show “**3-Dimentional shapes and structure**”. Name the model suitably.

3. Go to the market, purchase a Namkeen (of your choice). Then note down the following:

- Marked price (**MRP**)
- Price on which you purchase it.
- The **discount** amount you got.

You will find that the shopkeeper is giving you the namkeen in a price less than the MRP.

Is the shopkeeper selling the namkeen at a price less than the price he purchased it for?

Study the above and write the definition and formulae of following in your mathematics HW copy:

- Cost price (CP)
- Marked price (MRP)
- Selling price (SP)
- Gain /profit
- Loss
- Gain % and loss %

SANSKRIT

1. शब्दरूप – मति, मधु शब्द का शब्दरूप कॉपी में लिखकर याद करें।
2. धातुरूप – पा, भू धातु के धातुरूपों को सभी लकारों में कॉपी में लिखें।
3. चार्ट पेपर पर पक्षियों का चित्र बनाकर या चिपका कर उनके नाम संस्कृत में लिखें।

HINDI

- 1 - मंद मंद पवन सबको सुहावनी लगती हैं । परंतु यही हवा जब रौद्र रूप धारण कर लेती है तो तबाही लाती है । हवा के सभी रूपों पर जानकारी जुटाकर चित्र सहित वर्णन कीजिए तथा अपनी उत्तर पुस्तिका में लिखिए ।
- 2 - 1/2 चार्ट पेपर पर प्राथमिक उपचार की सभी वस्तुओं को सचित्र लिखकर दर्शाएँ ।
- 3 - A - 4 साइज पेपर में वृक्ष बनाकर उसमें स्वर वर्ण के भेद को उदाहरण सहित दर्शाएँ।

SOCIAL SCIENCE

1. Make a model showing different landforms (mountain, plateaus, plains, coastal plain and island)
2. Make a model showing the layers of earth.
3. Make a model showing the layers of the atmosphere.
4. Frame the Preamble of India (on an A4 size chart paper).

ENGLISH

1. Revise all the syllabus of English reader and Grammar.
Improve your handwriting by writing 10 pages of handwriting in a thin copy and also find 10 new words from your writing with their meanings to improve your vocabulary.
2. **ACTIVITY-** On a half size chart paper write about the kinds of adjectives with relevant examples.

COMPUTER

1. Take a print out of all the parts of a Computer and write their uses.
2. Make a flow chart of computer memory on an A4 – Size paper and mention all the memory devices.