



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 -IX

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.

Introduction:

Summer vacation provides a much-needed break from the academic routine, offering ample opportunities for relaxation, exploration, and personal growth. During the summer break, enjoy spending time with family and friends, and engaging in various activities, and pursuing your hobbies of interest.

Additionally, take this time into reading interests, exploring a variety of genres and authors. Do enjoy spending time outdoors, playing sports and cycling with friends, which will help you to stay active and refreshed. Overall, summer vacation is a period of rejuvenation and enjoyment, allowing you to recharge and prepare for the upcoming exams.

Here are some work assigned, that will help you to cope up with your scholastic and co-scholastic area as well. The details of all the subjects are given below.

ENGLISH

1. Grammar: Make a chart of Modals (on a full size chart paper).
2. Do Assignments of discursive passages and assignments of case based factual passages in your English work book.
3. Do Diary Entry in Grammar Notebook (as discussed during the class).
4. Activity:

Design an English Magazine (as elaborated below):

- a) An attractive cover page and name of the magazine.
 - b) An article on the city of your choice.
 - c) An interesting self written story/poem.
 - d) English riddles/amazing facts (5 each)
 - e) Self made advertisements (5 in number)
 - f) Five idioms and five proverbs depicted pictorially.
5. Watch English news daily in order to equip yourself with the information and facts to be used in as content in writing skills.
 6. Write any five news headlines daily on an A4 size sheet in neatly designed file.
 7. Read any book of your choice and write a book report on the same in the below given format.

BOOK REPORT

Title of the Book : _____

Author's Name : _____

Introduction : _____

Summary : _____

Character Analysis : _____

Themes and Message : _____

Conclusion : _____

MATHS

1. Revise the chapter "NUMBER SYSTEM"

2.

[Roll no. 1-7] Make a model of "Real numbers"

[Roll no. 8-13] Make a model on Congruence of Triangles.

(Any postulate congruence of your choice).

SCIENCE

PHYSICS

- **[Roll no. 1-7]** Make a project that shows "**types of energy**".
- **[Roll no. 8-13]** Make a project that shows the "**types of motion**"

2. Prepare a report that describes "**types of energy**".

#Include the following:

- Front page that includes school name and address, your topic, your name, submitted and guided by, session etc.
- Acknowledgement
- Index page
- Introduction of energy, types of energy
- Production
- Application of different types of energy in day-to-day life
- Future scope of sustainable energy
- Bibliography

OR

2. Prepare a report on “**Multidisciplinary approach**” (choose topic as per your choice) [#see the inclusion part above]
(as an example):
1. Mathematics and computing
 2. Physics, mathematics and computer.
 3. Physics with medical instrumentation

Note:

1. **Do your creativity in report in hand written format only**
2. **Report should be written in A4 size papers and should be submitted in a stick file**
3. Revise the chapter: “**Motion**”

CHEMISTRY

1. Collect different samples of water such as distilled water, tap water, well water, pond water. Place equal volume of each type of water in similar dishes and allow them to evaporate under similar conditions. Observe the time taken for their evaporation and write your interpretation after evaporation. **[in science lab-file in proper format]**
2. How many **states of matter** are there? (also include the **4th and 5th state**)
Explain in detail the shape and volume accompanied by structure, shape, melting points, density, compressibility, fluidity etc with suitable diagrams. **[to be done in the chemistry note-book]**
3. Revise chapter: “**Matter in our surroundings**”

BIOLOGY

1. Draw plant cell and animal cell in large chart paper and write the difference between them.
2. Make a model of Neuron.
3. Make a collage of different types of cell according to their shape and size.
4. Write and learn 25 internal questions and answers from ‘The fundamental unit of life’.

SOCIAL SCIENCE

1. On a chart paper, draw the outline map of India and mark all the important drainage systems of india.
2. Make a 3 –D model showing the 6 physical features of India.
3. Make a project focusing on the topic “consumer awareness”. The project should delve into consumer rights, the consumer protection act (copra), the role of courts in enforcing consumer rights, and ways to raise consumer awareness. Include a case study on a specific consumer dispute and the steps taken to resolve it.
4. Make a project focusing on the topic “disaster management”. Investigate the causes, effects, and prevention measures for a specific type of disaster (earthquake, flood, cyclone, etc.). Develop a presentation outlining the importance of disaster preparedness and how it can be implemented in communities.

HINDI

- 1 - हिंदी पाठ्य पुस्तिका क्षितिज भाग -1 (गद्यखंड) के पाठ - 2 "ल्हासा की ओर "पाठ से मुख्य बिंदुओं को ध्यान में रखकर काम से कम 15 लघु उत्तरीय प्रश्न व उत्तर हिंदी की कार्य पुस्तिका में स्वयं लिखें ।
- 2 - A/4साइज पेपर में किसी भी एक प्राकृतिक विभीषिका का सचित्र वर्णन करें ।
- 3 - A/4 साइज पेपर में उपसर्ग व प्रत्यय का प्रयोग कर उनसे निर्मित सर्वाधिक प्रचलित 20-20 शब्दों को सुंदर से सजाकर लिखें ।

SANSKRIT

1. वर्णों के उच्चारण स्थान की तालिका stick file में बनाएँ।
2. शब्दरूप -भवत्, किम्(तीनों लिंगों में)
3. धातुरूप -अस्, स्मृ, रक्ष्

COMPUTER

- Draw a diagram depicting elements of communication and paste the appropriate pictures.
(Do it in an A4 Size paper)