

Burn Hall School
Winter Assignment
Session 2025- 26
Class 6th ABC

English:

1. Winter Journal – Write a 7-day diary describing your winter break experiences, thoughts, and feelings.
2. Short Story – Write a short story (300–500 words) titled “The Day it snowed in my town”
3. Poem Writing – Compose a poem on “Winter Mornings,” “The Magic of Snow,”
4. Letter to the Future – Write a letter to your future self describing your current goals, dreams, and how you plan to achieve them.

Go through the chapters "A classroom in the train" and A teacher for all seasons and do the summary and Question Answers on loose sheets.

Note: kindly do all the work on loose sheets.

Maths :

Activity 1: Prime Number Hunt

Instructions:

1. Draw a 100-number chart (1–100).
2. Use the Sieve of Eratosthenes method:
Circle all prime numbers in green.
Cross out composite numbers in red.

3. Write your observations:

- How many prime numbers are there between 1–100?
- Which is the smallest and largest prime in the chart?

Activity 2: Kaprekar's Operation

Indian mathematician DR Kaprekar worked upon 4-digit numbers. Kaprekar's operation involves performance of the following steps reiteratively on any 4-digit number (having at least two different digits).

Step 1: Rearrange the digits of the number in a decreasing order to obtain the largest possible number A.

Step 2: Rearrange the digits of the number in an increasing order to obtain the smallest possible number B

Step 3: Evaluate $C = A - B$

Step 4: Repeat these three steps till you get the magical number 6174, called the Kaprekar's constant.

After 4 iterations, You will arrive at the Kaprekar's constant 6174.

Do this activity with four different numbers of your choice.

Check page no 89 for reference.

Solve chapter 4 & 5 on loose sheets.

Revise F. A 1 Portion

Science:

1. Working Model

Prepare a **working model** based on Creative thinking, Problem solving and usefulness in daily life.

Note:

1. The model should be **original and practical**.
2. This project carries marks.

Best models will be submitted for the **Manak Inspire Award**

2. Separation of Substances (Table + Diagrams)

Make a tabular chart showing the methods used for separating: Solid–solid mixtures, Solid–liquid mixtures, Liquid–liquid mixtures.

- For each mixture: Write the name of the separation process (e.g., hand picking, winnowing, sieving, filtration, evaporation, sedimentation, decantation, distillation, etc.)
- Draw a simple diagram showing how the process works.

3. Comprehension

Read the study material of the chapter “Separation of Substances “ and do the textual questions.

Note: Use loose sheets

Revision Task

Revise the following chapters

1. **Components of food**
2. **Sorting of materials into groups**

S. St:

1. Make a working model of “Solar System”(Roll No. 1–15) .
2. Make a working model of “ Important Latitudes and Heat Zones” (Roll No. 16–30) .
3. Make a working model of a “Globe” (Roll No. 31 & onwards) .

Note :- Use the materials of your own choice.

Urdu:

(۱) درسی کتاب کے حوالے سے پہلے دو سالی کے مشکل الفاظ لکھیں۔

(۲) اردو لکھائی کی مشق کے حوالے سے روزانہ ایک خوشنخ صفحہ لکھیں۔

(۳) روزنامہ اخبار شہر سرخیوں کا ایک ایک مجموعہ تیار کریں۔

(۴) سردیوں میں صحت مندر بننے کے دس طریقے لکھیں۔

Hindi:

1. कश्मीर की प्राकृतिक सुन्दरता पर चित्रों सहित एक लेख लिखें
2. रहीम दास जी के पाँच दोहे चार्ट पेपर पर लिखकर याद करें।

Kashmiri:

مل دید متعلق لیکھو جاں بیٹھ نوٹ ته تسد کنه اکہ شعر چ تشریح ته کترو۔ 1

گوڈنکی آٹھ آوازہ نشانہ (1-8) کا بیٹھ لیکھتھ کترو یرته آوازہ ساتی یاٹھ یاٹھ لفظ ته جملہ قلم بند۔ 2

Punjabi:

- پਾਠ ۴ ਤੋਂ ਲੈ ਕੇ ۱۳ ਤਕ ਪੜ੍ਹੋ ਤੇ ਮੁਸ਼ਕਲ ਸ਼ਬਦਾਂ ਨੂੰ ਚੇਖਾਬੰਧ ਕਰਕੇ ਕਾਪੀ ਤੇ ਲਿਖੋ ਤੇ ਯਾਦ ਕਰੋ ।
- ਮੋਬਾਇਲ ਫੋਨ ਨੇ ਸਾਡੀ ਜਿੰਦਗੀ ਨੂੰ ਕਿਵੇਂ ਪ੍ਰਭਾਵਿਤ ਕੀਤਾ ਹੈ ਇਸ ਉਪਰ ੫੦-੬੦ ਸ਼ਬਦਾਂ ਵਿਚ ਇੱਕ ਲੇਖ ਲਿਖੋ ।
- ਲਾਲਚ ਦਾ ਫਲ ਤੇ ਮੂਰਖ ਦੋਸਤ ਉਪਰ ਉਪਰੋਕਤ ਕਹਾਣੀ ਲਿਖੋ ।
- ਚੰਗੇ ਵਿਦਿਆਰਥੀ ਵਿਚ ਕੀ-ਕੀ ਗੁਣ ਹੋਣੇ ਚਾਹੀਦੇ ਹਨ ਇਸ ਬਾਰੇ ਇੱਕ ਲੇਖ ਲਿਖੋ ।

- ਭਾਰਤ ਦੇ ਲੋਕ ਗੀਤ ਕਿਹੜੇ-ਕਿਹੜੇ ਹਨ ਉਨ੍ਹਾਂ ਬਾਰੇ ੫ ਲਾਈਨਾ ਲਿਖੋ ਤੇ ਚਿੱਤਰ ਵੀ ਚਿਪਕਾਓ ।
- ਸਾਡੇ ਘਰ ਵਿੱਚ ਬਿਜਲੀ ਕਿਵੇਂ ਪਹੁੰਚਦੀ ਹੈ ਇਹ ਸਾਰੀ ਪ੍ਰਕਿਰਿਆ ਬਾਰੇ ਯਾਦ ਕਰੋ ਅਤੇ ਲਿਖੋ ।

Computer :

Perform these activities on your computer and attach **printouts or screenshots**.

1. MS Word

Create a document titled “My School”

- Write one short paragraph (5–6 lines) describing your school.
- Change font **style**, **size**, and **colour**.
- Insert a **picture** of a school with school logo (or draw using Shapes).
- Add **page border** and **save** the file as *My School.docx*.

2. MS PowerPoint

Make a 5-slide presentation on “Parts of a Computer”:

- **Slide 1:** Title (Parts of a Computer)
- **Slide 2:** Input, Output, Storage Devices (with pictures)
- **Slide 3:** Importance of computers in our life
- Add transitions and simple animations.

Activity:

Make a colourful chart showing **Types of Computers** (Micro, Mini, Mainframe, and Supercomputer).