

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 اسباق کے مشکل الفاظ لکھیں۔
- (۲) اُردو لکھائی کی مشق کے حوالے سے روزانہ ایک خوشخط صفحہ لکھیں۔
- (۳) روزنامہ اخبار شہہ سُرخوں کا ایک ایک مجموعہ تیار کریں۔
- (۴) سردیوں میں صحت مندرہنے 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:

1. لل دید متعلق لیکھو چائس بیٹھ نوٹ تہ تسند کنہ اکہ شعر چ تشریح تہ کنرو۔
2. گوڈنکی آٹھ آوازہ نشانہ (8-1) کاپی بیٹھ لیکھتھ کنرو یرتھ آوازہ ساتی پانڑھ پانڑھ لفظ تہ جملہ قلم بند۔

Punjabi:

- ਪਾਠ ੪ ਤੋਂ ਲੈ ਕੇ ੧੩ ਤਕ ਪੜ੍ਹੇ ਤੇ ਮੁਸ਼ਕਲ ਸ਼ਬਦਾਂ ਨੂੰ ਰੇਖਾਬੰਧ ਕਰਕੇ ਕਾਪੀ ਤੇ ਲਿਖੇ 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 ਮੁਰਖ ਦੇਸਤ ਉਪਰ ਉਪਰੇਕਤ 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 ਲਾਈਨਾਂ 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).