

BURN HALL SCHOOL

WINTER ASSIGNMENT SEESION - 2025

CLASS : 9TH (ABC)

MARKS: 05 EACH SUBJECT

Date of Submission for ENG,MATHS,KAS/PUNJ: 03/03/2025

Date of Submission for SCIENCE,SST,HINDI/URDU: 05/03/2025

SOCIAL STUDIES

Students are instructed to visit Heritage and religious places and click photographs with Students in the picture The Heritage and Religious places can be in Kashmir or any other place visited during winters.

The places should not belong to one religious community but should include diverse religious places preferably four diverse religious places and make a chart of it

MATHEMATICS

Maths Project / Model help students to improve their thinking capabilities and logical skills.

Make a best model of mathematics which should include fun, interactive displays like puzzles and games that show math concepts. You can feature art that uses shape and patterns, and demonstrate how math is used in everyday things like buildings and money. Include hands-on activities where we can try measuring angles or making patterns. Also, have a timeline of famous mathematicians and organize math challenges to keep everyone engaged and learning.

Select a topic that interests you and is suitable for a model. Some ideas include

- Geometry (triangles, quadrilaterals, circles)
- Algebra (linear equations)
- Statistics (graphs, mean, median)
- Probability (simple experiments)

CHEMISTRY

• Poster Making: Design a colourful and informative poster on “The Importance of Water as a Universal Solvent.” Use diagrams and slogans.

• Flowchart: Create a detailed flowchart to classify matter into pure substances, mixtures, elements, compounds, etc.

• Research and write an essay on "States of Matter Beyond Solid, Liquid, and Gas (Plasma and Bose-Einstein Condensate)" (300–400 words).

• Prepare a scrapbook showing examples of mixtures and solutions found at home. Use pictures and brief descriptions.

• Design a science comic where particles of matter (solid, liquid, gas) are the main characters. Highlight their properties in an engaging way.

Physics

Solve the following questions and write them on loose sheets.

Q1. Write SI units of the following quantities: (i) mass (ii) time (iii) distance (iv) displacement (v) speed (vi) acceleration (vii) force (viii) energy.

Q2. Convert the following

(i) 40cm = m (ii) 20 g = kg (iii) 36 km/h into m/s. (iv) 1 g/cm³ in to kg/m³.

Q3. Define the following: (i) Distance (ii) Displacement (iii) Speed (iv) Velocity (v) Acceleration (vi) Uniform motion

- Q4. Draw a graph between the Distance and Time of a car moving with a constant speed in a straight line.
- Q5. Classify the following physical quantities as Scalar and Vector: Distance, Velocity, Acceleration, Force, Energy, Power, Mass, Displacement
- Q6. Calculate the distance and displacement of a car as it travels along a circular track of radius 28 m and completes: (i) $\frac{1}{4}$ round of the circular track (ii) half the round of the circular track (iii) $\frac{3}{4}$ round of the circular track (iv) Ten complete rounds of the circular track
- Q7. State the necessary condition for distance and displacement to be equal.
- Q8. State the necessary condition for the speed of an object to be the same as its average speed.
- Q9. Distinguish between Distance and Displacement.
- Q10. Distinguish between Speed and Velocity. Level
- Q11. Find the average speed of a bus that travels at a speed of 60 km/hr for three hours and then travels for another two hours at a speed of 40 km/hr.
- Q12. A car accelerates from rest at 2 m/s^2 for 5 seconds. Calculate its final velocity and the distance covered.

Biology

Prepare a table listing the organelles of a cell, their structure, and their functions.

- Research and write a short note on the discovery of the cell. Mention the contributions of Robert Hooke and Anton van Leeuwenhoek.
- Make a 3D model of a plant cell or animal cell using any available materials at home. (Optional for extra credit).
- Write a poem, rap, or story describing the life of a cell.

English

1. Make neat chart of rules of narration giving examples of each rule.
2. Name the kinds of poem and write a poem on any one kind.

URDU

حروف کے اقسام، تذکیر و تانیث کے اصول -

مضمون نگاری کے اصول و اقسام -

نوٹ برائے غزل اور نظم :- مکمل تعریف اور مختصر تاریخ کے ساتھ -

PUNJABI

- ਪਾਠ ੧,੨ ਨੂੰ ਪੜ੍ਹੇ ਤੇ ਮੁਸ਼ਕਲ ਸ਼ਬਦਾਂ ਨੂੰ ਰੇਖਾਬੰਧ ਕਰਕੇ ਕਾਪੀ ਤੇ ਲਿਖੇ ਤੇ ਯਾਦ ਕਰੋ।
- ਬਾਬਾ ਬੁੱਲ੍ਹੇਸ਼ਾਹ, ਬਾਬਾ ਫਰੀਦ ਜੀ ਬਾਰੇ ਚਿਤਰਾਂ ਰਾਹੀਂ ਸੰਖੇਪ ਵਿੱਚ ਜਾਣਕਾਰੀ ਹਾਸਲ ਕਰਕੇ ਲਿਖੋ।
- ਸਿਖਿਆਦਾਇਕ ਰੂਪ ਦੀ ਕਹਾਣੀ ਬਣਾ ਕੇ ਲਿਖੋ।
- ਲੇਖ ਰਚਨਾ :-
 1. ਸਭ ਲਈ ਸਿਖਿਆ
 2. ਅਨੁਸ਼ਾਸਨ

HINDI

1. ਪੁਸਤਕਾਂ का महत्व (Importance of Books): चर्चा करें कि पुस्तकें पढ़ने से ज्ञान और कल्पनाशीलता किस प्रकार बढ़ सकती है।
2. ग्राम विकास: भारत में ग्रामीण विकास की चुनौतियों और समाधानों के बारे में लिखें।
3. संस्कृति और परंपरा (Culture and Tradition): आधुनिक विश्व में भारतीय संस्कृति और परंपराओं के संरक्षण के महत्व का अन्वेषण करें।

1. کینژن خاص موضوعاتن ہند مطالعہ کرتہ لیکھو پننہن لفظن
منز کینہہ مضمون ۔
2. کینہ چٹھہ تہ کینہ درخاس لیکھو۔
3. کشیر ہندی ووستہ کار چہ اتھن ہندی ژانگی زآلتھ یتہ چین اتھ
کامین زندہ تھآوتھ۔ کینژن اتھ کامین متعلق لیکھو تفصیلہ سان۔
4. ناوت، کراول، کراوت، کروومت تہ ڈکھ کراوتس متعلق دیو مثالہ
بیتھ زان ۔