



IMPERIAL HERITAGE SCHOOL, SEC-102, GURUGRAM
MONTHLY PLANNER FOR DECEMBER
Grade XI- SCIENCE (2025-2026)

“We do not learn from experience...we learn from reflecting on experience.”

—John Dewey

Dear Parents,
Greetings!!

December is the twelfth and final month of the year, celebrated widely with various important national and international observances. This month inspires gratitude, joyous celebrations, and warmth as the year draws to a close. December is marked by significant days such as World AIDS Day and Christmas, offering opportunities to promote awareness, kindness, and festive cheer. The school's annual day celebrations continue with great enthusiasm, along with preparations for the upcoming winter vacation.

November has come to a close, leaving behind cherished memories filled with enthusiasm and accomplishment. Students participated eagerly in diverse activities including thematic assemblies, cultural programs, sports activities, and creative workshops, which made the month lively, engaging, and successful.

“Every child is a different kind of flower and all together makes this world a beautiful garden.”

“Children’s Day is the happiest day of every child’s life. A day marking childhood and to make this event a memorable one for our students, Imperial Heritage School celebrated Children’s Day on 14th November in the school premises. Potluck was conducted in the respective classrooms as it is a wonderful way to enjoy each other’s company and the opportunity to be with our children and get to know each other better. Chocolates were distributed as a small token of love and affection by the school.

The birth anniversary of Sardar Vallabhbhai Patel on October 31st, is celebrated as Rashtriya Ekta Diwas (National Unity Day) in India. To commemorate the day, the school organised **Run for unity** on 29th October. Students of all grades participated enthusiastically in the event.

To educate the students on safe road usage to prevent accidents, injuries, and fatalities by promoting responsible behavior like obeying traffic laws, using seatbelts and helmets, and avoiding distractions, **Road Safety Awareness** workshop was conducted on 30th November by Gurugram Police.

The students of Grade XI Science attended a counselling session conducted by the school counsellor, Ms. Divya Chhabra, focusing on **POCSO awareness**. The session aimed to educate students about their rights and safety under the **Protection of Children from Sexual Offences (POCSO) Act**. Important topics covered included recognizing inappropriate behavior, understanding how to report abuse, and promoting a safe and respectful environment. The session helped empower students to protect themselves and be vigilant against child sexual abuse.

A **Vaccine Bio-toon** Making activity was held for the Grade XI students to mark **World Immunization Day**. This creative session aimed to raise awareness about the importance of vaccines in preventing diseases. Students actively participated by designing informative and engaging cartoons that highlighted the value of immunization.

IHS is proud to announce that our young athletes have secured the Overall **First Position at the 7th All India Inter-School Athletics Meet 2025**, held at Buddha International School, Sohna Road, Gurugram on 15th

November 2025. **Saranya Chaudhary** and **Vedansh Butola** received Gold medals in this competition.

In **Physics Lab** students of Grade XI students carried out an important experiment using Searl's apparatus to determine the Young's modulus of the material of wire.

Through careful observations and precise measurements, they learned how materials respond to stress and strain, and how elasticity plays a key role in engineering and real-world applications.

Hands-on experiments like this help students connect theoretical concepts with practical skills.

In **Biology**, students performed the experiment of transverse sections (TS) of monocot and dicot roots and stems and observed them under the microscope to compare their anatomical differences. They identified key structures such as xylem, phloem, cortex, and pith, and differentiated vascular bundle arrangements. The experiment helped them correlate theoretical knowledge with real plant tissues, followed by flip teaching to enhance memorisation and understanding. Students also performed the osmometer experiment and observed the movement of water across a semipermeable membrane through osmosis, measuring changes in liquid level and relating it to concentration gradients. In **English**, the students of Class XI Humanities engaged in a creative poster-making activity this month. The theme was '**Importance of Reading**', emphasizing its role in knowledge and skill development. Through vibrant posters, students expressed how reading enhances vocabulary, imagination, and critical thinking. In the **Chemistry** lab Students were given the demonstration for two experiments to explain the concept of equilibrium.

Under **CBSE Activities** mass singing of "Vande Mataram" was done. Through this activity students understood it as a powerful symbol of national pride, unity, and patriotism, reminding students of their shared cultural heritage and the sacrifices made for freedom.

The value of the month '**Honesty**' was inculcated through a story telling activity where the students told about some real incidents from the lives of famous personalities.

 **IHS News** –

We are thrilled to announce that IHS has begun preparations for its **5th Annual Day Celebration!** This much-awaited event promises to be a grand showcase of our students' talents, creativity, and hard work. The entire school is buzzing with excitement as students, teachers, and staff come together to make this celebration truly memorable. We look forward to an evening filled with joy, performances, and cherished memories that highlight the spirit and unity of our IHS family.

Photo Gallery





1. Syllabus for December

ENGLISH	MATH/ BIOLOGY	PHYSICS	CHEMISTRY
REVISION	MATH Chapter 13: Statistics Chapter 14: Probability BIOLOGY Chapter 12: Respiration in Plants Chapter 13: Plant Growth and Development Chapter 15: Body Fluids and Circulation	Chapter 13: Kinetic Theory of gasses Chapter 14: Oscillations	Chapter: Equilibrium Chapter: Hydrocarbon

PHYSICAL EDUCATION	ARTIFICIAL INTELLIGENCE	PSYCHOLOGY
REVISION	Revision and Pen & paper test of Part A Unit 2: Self-Management Skills-II Unit 4: Entrepreneurial Skills-II Part B: Unit 5: Computer Vision	Chapter 8- Motivation and Emotion

2. Activities of the Month

- **Annual Day** 06.12.25
- **World Energy Conservation Day** 12.12.25
- **Math, Science and Technology Week** 15.12.25-19.12.25
 - **Science in Action** 15.12.25
 - **Math Tricks** 17.12.25
 - **Math Wizard Intra Class Competition** 19.12.25
- **UT III** 16-12-25 to 24-12-25
- **Mathematics Day** 22-12-25
- **Grade XII Farewell (Evening)** 26-12-25
- **Winter Break** 29.12.25 to 04.01.26



3. General Information

- School timing is 8.30 am – 3:00 pm. The school gate will be closed at 8.05 am. No entry will be allowed post that.
- Students must carry the almanac to school daily.
- Parents should check the almanac and ERP app regularly for any information.
- Students should be in proper school uniform. Kindly use only black rubber bands, clips or hair bands. Black shoes are to be worn every day.
- Label your child's belongings like lunch box, water bottle, bag, shoes, etc.
- Students must wear ID cards daily.
- Leave application must be submitted to the class teacher, one day prior in the case of pre-planned leave. In case of illness, a medical certificate must be submitted within three days of rejoining school. In case of long leave to attend important family functions, prior written permission of the Headmistress / Principal must be obtained.
- Please ensure that your child is not suffering from cold, cough or fever at the time of leaving home.

We look forward to your cooperation in helping our students grow and learn together.



Headmistress



Principal