

Cambridge Lower Secondary Program

The transition for your child from Primary School to Senior School can be daunting and at IIS we endeavour to make this step up as smooth as possible. Your child will learn to become more independent, resourceful and organised as they mature and acquire the necessary skills to adapt to the change..

The curriculum in CLSP is designed to encourage independence, a love for learning, a willingness to take calculated risks and to provide a stimulating and encouraging atmosphere in which to grow and develop. By offering Cambridge Lower Secondary, we provide a broad and balanced education for our learners, helping them to thrive throughout their schooling, work and life. With ten subjects to choose from, including English, mathematics and science, we have plenty of opportunities to develop creativity, expression and wellbeing in a variety of ways.

We shape the curriculum around how we want our students to learn. The curriculum is flexible, which can adapt the content to suit our context, culture and ethos. We offer following subjects to our students

English : English Second Language curriculum empowers even the youngest learners to communicate confidently and effectively. It helps them to develop the skills needed to respond to a range of information, media and texts. The programme promotes active learning, develops thinking skills and encourages intellectual engagement.

This framework supports an integrated approach to planning and teaching to develop effective communication skills in English. The five strands, and their respective learning objectives, work together to support the development of knowledge, skills and understanding in:

- Reading
- Writing
- Use of English
- Listening
- Speaking.

Hindi : Learners develop skills and understanding in four areas: reading, writing, speaking and listening. They will learn how to communicate effectively and respond to a range of information, media and texts to:

- become confident communicators, able to apply all four skills effectively in everyday situations
- see themselves as readers, engaging with a range of texts for information and for pleasure, including texts from different times and cultures
- see themselves as writers, using the written word clearly and creatively for a range of different audiences and purposes.

Science : Students will think scientifically and develop practical skills alongside knowledge and understanding, which is vital for explaining the world around us. Improving learners' awareness of science in the world around them develops their sense that 'science is for me', helping to connect themselves to the subject.

This approach provides them with the knowledge and skills they require to excel at science in later stages of education and to make informed choices, including considering sustainability issues and meeting the challenges facing our environment.

This curriculum covers six main areas called 'strands' that work together so that you can teach science holistically:

- Biology – living things and how they interact.
- Chemistry – the study of matter.
- Physics – the interaction of matter and energy.
- Earth and Space – planet Earth, the wider Solar System and beyond.
- Thinking and Working Scientifically – develops understanding and skills of scientific models and representations, scientific enquiry and practical work.
- Science in Context – helps teachers demonstrate the relevance of science to learners and unique to our science curriculum.

Mathematics : 'Thinking and working mathematically', a unique feature of our curriculum, encourages learners to talk with others, challenge ideas and to provide evidence that validates conjectures and solutions. When learners are thinking and working mathematically, they actively seek to make sense of ideas and build connections between different facts, procedures and concepts. This supports higher order thinking that helps them to view the world in a mathematical way.

We have divided this subject into three main areas called 'strands', which run through every lower secondary mathematics stage. Learners will develop skills in:

- Number
- Geometry and Measure
- Statistics and Probability.

The strands work together to help students recognise connections of mathematical concepts as they engage in creative mathematical thinking to generate and improve numerical fluency.

Global Perspective : Cambridge Lower Secondary is made up of a series of Challenges. There are six Challenges a year. Teachers integrate the Challenges into their existing teaching or lessons, and do as many as they like.

Each Challenge is six hours long, subdivided into a range of activities, and covers a range of skills. The skills are taught through a wide range of topics using a personal, local and global perspective. Examples of few topics

Disease and health	Migration	Belief systems
Conflict and peace	Demographic change	Sustainability
Poverty and inequality	Employment	Biodiversity and ecosystem loss

Art and Design :There are no Cambridge Lower Secondary Progression Tests or Checkpoint for this subject.

The emphasis of this course is for teachers to give learners formative feedback on the skills they want students to develop. This can be through discussion, observation and lesson outputs where teachers discuss with students ‘what went well’ and how they can improve further, so that students can reflect on and improve their performance.

- **ICT** :Digital literacy is an essential skill for learners of all ages, including lower secondary students. The digital world allows us to connect, collaborate, innovate and discover new information on an ever-broadening scale, and learners must be able to effectively use technology from the very beginning of their educational journey. Students will learn how to become positive contributors to the digital world use digital technology safely and protect their own physical and emotional wellbeing.

Sanskrit /French/Japanese : Learning Foreign language plays an important role for students.Learners develop skills and understanding in four areas: reading, writing, speaking and listening. They will learn how to communicate effectively and respond to a range of information, media and texts to:

- become confident communicators, able to apply all four skills effectively in everyday situations

- see themselves as readers, engaging with a range of texts for information and for pleasure, including texts from different times and cultures
- see themselves as writers, using the written word clearly and creatively for a range of different audiences and purposes.

Other subjects included in the curriculum are Library Science, Sports and Performing arts like Music ,Dance,and Theatre.