



THE JOY OF LEARNING

Grade 6

Learning Experience



**EKYA
SCHOOLS**

We at Ekya believe in a world beyond boundaries where education should continuously evolve and adapt as the world changes.

Ekya is a community of children, educators and parents where everyone learns together. At Ekya, our students find their purpose, passion and community to make a difference in the world.

FIND New Ways to Learn

Our innovative learning model goes beyond conventional norms. We apply interdisciplinary skills to think differently and solve real-world problems.

We equip students with skills such as problem-solving, collaboration, critical thinking, reflection and global awareness. Students engage in authentic tasks and challenges to investigate each learning area deeply and transfer their learning to new situations.

For example, In the Mathematics Program, students apply their analytical skills to read a pie chart and determine water consumption in their building, enabling them to solve real-world problems. In Science, students build catapults using the knowledge of simple machines and the relationship between kinetic and potential energy.

English

The English Program provides a strong foundation for learners to build essential skills like reading, writing, listening and speaking, using sources like fiction, nonfiction and poetry.

The Love To Read Program in the English Curriculum ensures students develop a lifelong habit of reading and become confident readers through deep discussions about books.

Core Concepts and Skills

- Concepts related to Fiction, Nonfiction and Poetry
- Key grammar concepts
- Decoding, Interpreting and representing information
- Reciting and Expressing
- Predicting, Reading and Retelling
- Comprehension and Communicating in multiple ways
- Collaborating and Presenting
- Writing using conventions

Second Language Hindi / Kannada

The Second Language Program enables students to use languages, participate and communicate in linguistically and culturally diverse contexts.

Students apply their learning to real-world contexts; for example, they create a newsletter and write about different topics using advanced writing skills.

Core Concepts and Skills

- Concepts related to fiction, Non-fiction and Poetry
- Key grammar concepts and vocabulary
- Comprehension (Reading/Writing)
- Listening and Speaking skills- sharing and responding to ideas and instructions
- Reading, reciting and expressing
- Writing in a variety of forms

Third Language

The Third Language Program builds a strong foundation in developing essential skills while learning an additional language.

The program build basic communication, reading, and writing skills throughout the year.

Core Concepts and Skills

- Foundational concepts of the language
- Key grammar concepts and vocabulary
- Basic writing skills- writing 2,3 and 4 letters words and short sentences
- Basic reading skills-use strategies to read words and simple texts; predict the context and meaning of short stories and poems
- Listening and speaking skills- share and respond to ideas and instructions



Mathematics

The Mathematics Program focuses on advanced concepts and builds a mathematical mindset, problem-solving abilities, skills, processes and metacognition.

Students learn by doing and use the Concrete-Pictorial-Abstract method, which enables them to construct meaning and uncover abstract math concepts.

Core Concepts and Skills

- Algebraic expressions • Fractions • Ratios
- Percentages • Pie charts • Shapes and volumes of solids and liquids • Mathematical thinking
- Problem-solving



Science

The Science Program focuses on developing an in-depth understanding of content and building essential scientific skills like communication, collaboration, inquiry, and problem-solving. It integrates key scientific practices: developing and using models and systems, conducting investigations, and analysing data.

Students establish connections among the various branches of science, including physical and life science. Furthermore, students actively learn through the hands-on experiments provided in their Science Kits.

Core Concepts and Skills

- Matter • Energy Transformation • Force, motion and speed • Cells - structure and function
- Earth sciences-rocks • Use of models • Planning and carrying out investigations • Analysing and interpreting data • Computational thinking • Scientific reading • Arguing from evidence • Communicating information

Social Science

The Social Science Program, students explore disciplines like history, civics and geography. Students will develop a deeper understanding through learning key concepts, including significance; continuity and change; cause and effect; place and space; interconnections; roles, rights and responsibilities; and perspectives and action.

In history, they delve deep into learning about the ancient empires of north and south India and the world. As part of civics, they discover the key institutions in a government, their roles and levels and explore the diverse environments, people and indigenous cultures.

Core Concepts and Skills

- Exploring ancient empires and emperors from India and the world (History) • Asia's geography, economy and environment (Geography) • Role of electors and elected (Civics) • Questioning
- Researching • Analysing • Evaluating and reflecting

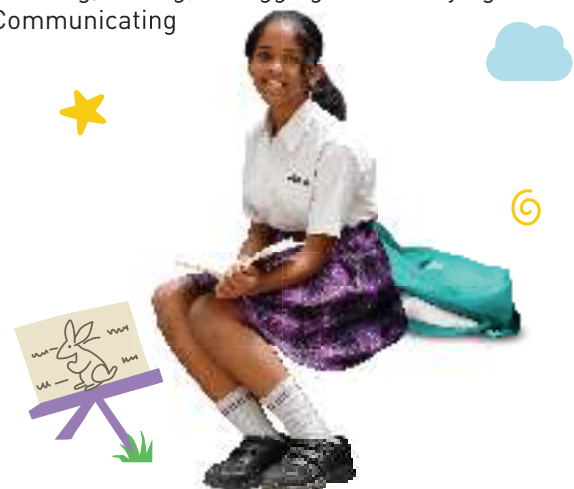
Computer Science

The Computer Science Program, students learn to discuss the importance of personal privacy and the impact of technology and explore the four cornerstones of computational thinking - decomposition, pattern matching, abstraction, and algorithms. Using these skills and techniques, students solve real-world problems.

Authentic tasks in the curriculum provide students with opportunities to apply their learning and skills to solve real-world problems.

Core Concepts and Skills

- Digital citizenship • Google sheets • Image editing using paint.NET or GIMP • Random access memory • Flowcharts and conditional loops • Nested conditionals and loops in python programming
- Problem solving • Questioning • Data manipulation
- Design and editing images • Pattern recognition
- Creating, testing, debugging and modifying
- Communicating



Visual Arts

The Visual Arts Program focuses on observational drawings, elements of art and design, idea generation and translation through a variety of art and design skills.

The students are encouraged to explore different dimensions of art, use different media, and develop drawing skills to translate their ideas.

Core Concepts and Skills

• Traditional art and design skills • Drawing and painting with wet and dry media • Elements and principles of art and design • Drawing as a thinking tool • Ideation and expression • Translation of an idea from 2D to 3D • Motor skills • Observation and Reading



Life Skills

The Life Skills Program is based on the socio-emotional and ethical learning framework. The curriculum focuses on cultivating positive emotional regulation, self-compassion, and interpersonal skills to improve academic progress and personal well-being.

Student learning is organised into three dimensions: Awareness, Compassion and Engagement.

Core Concepts and Skills

• Kindness and compassion for self and others • Building resilience • Self-regulation • Interpersonal awareness for self and others • Relationships • Understanding interdependence • Recognising common humanity • Community engagement

Performing Arts

The Performing Arts Program empowers students to recognise patterns, identify rhythm and become familiar with creating and performing a sequence of movements through dance, theatre and music.

The curriculum stresses self-exploration and discovery while instilling within students a respect for the art and the artist and providing students with tools they may use to unleash their creative and unique voice through the disciplines.

Core Concepts and Skills

• Body and movement • Movement and rhythm • Explore and express emotions • Spatial awareness • Verbal and non-verbal communication • Collaboration

Physical Education

The Physical Education program aims to instil a sense of personal responsibility for lifelong health and fitness. The two key strands of the curriculum are Strength and conditioning, Skills and Sportsmanship.

Strength and Conditioning includes training for a wide range of exercises that focus on mind, mobility, stability, strength, endurance, power, speed, agility and performance. **Skills and sportsmanship** includes a variety of sports and skill-building activities. The program incorporates attitude and behaviour to positively impact a student's overall development.

Core Concepts and Skills

• Safety, health and nutrition • Sports and exercise • Motor skills, movement and strategies • Collaboration • Sportsmanship

