THE JOY OF LEARNING

Grade 4

Learning Experience

EKYA SCHOOLS

ekyaschools.com

JP NAGAR ITPL BTM LAYOUT BYRATHI NICE ROAD

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 Mathematics at this grade level, students apply the concepts of angles to give directions to reach a destination point. In Science, students will investigate a place for energy-related problems and make an action plan to fix those problems. In Computer Science, students apply their skills in creating multimedia to create awareness about climate change.

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 learn additional languages building their linguistic skills. This allows students to explore and learn about related cultures and lifestyles and apply their learning to real-world situations.

Core Concepts and Skills

• Concepts related to fiction, Non-fiction and Poetry • Key grammar concepts • Writing skills-writing 2,3 and 4 letters words, short sentences • Broad reading skills-use strategies to read words and simple sentences • Listening and Speaking skills- share and respond to ideas and instructions

Mathematics

The mathematics program focuses on 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

• Whole numbers 0 to 100,000 • Arithmetic operations - Whole numbers fractions, decimals • Factors and multiples • Mensuration: squares, rectangles and angles • Symmetry • Data representation-line graphs • Critical thinking • Deductions • Spatial visualisations • Use heuristics to simplify problem statements

Science

The science program cultivates a mindset of interest, curiosity and scientific enquiry. The program provides students with a deep understanding of the core concepts. 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 and nature of materials • Plant structures • Animal habitats • Land forms • Observation • Construction of explanations • Investigation, analysis and interpretation of data • Communication of information

Social Science

Students explore how the earth's environment sustains all life in a historical and geographical context. The curriculum engages students in a deep dive into early civilisations that flourished on the face of the Earth.

Students expand their grasp of physical geography by examining the human-environment interactions in two continents in the same latitudinal range. Students are also exposed to civics concepts related to the Government and its systems. To apply their knowledge in the real world, students take on the role of botanists to explore and research the vegetation and climate of two countries where they develop their views on sustainability and the need to live a sustainable life.

Core Concepts and Skills

• Beginning of river valley civilizations (Indus, Egypt, Aztecs) • Corresponding geographies (India, Africa, Latin America) • Role of the government • Questioning • Researching • Analysing • Evaluating and reflecting • Communicating

Computer Science

The computer science program, students learn about computer memory and its classification and explore google docs, google slides and scratch programming.

They develop problem-solving skills, strategies and solve real-world problems using the design thinking approach. They complete an year-end design thinking project that would require the application of the skills.

Core Concepts and Skills

• Computer memory and classification • Sequences, loops and conditionals • Multimedia • Programming using scratch • Google workspace • Computational thinking • Collaboration • Visual communication through animations, Slide deck presentations • Error analysis and problem-solving

Visual Arts

The visual arts curriculum aims to develop creativity and imagination among students through observation and making. Students are introduced to various media and techniques to express their creativity.

Visual art classroom encourages collaborative making and building a personal portfolio. The student learns to look critically at their own art practice and learn to present their work. Art history introduces key movements in western art and visual art.

Core Concepts and Skills
• Drawing and painting from observation and nature • Understanding simple forms and shapes, geometric forms • Colours and colour mixing • Contours and details • Art history, appreciating art • Claywork • Drawing and painting using simple tools

Life Skills

The life skills curriculum program is based on a 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.

Students present 'performance' in theatre, dance and music while recognising patterns and identifying rhythm & choreography.

Core Concepts and Skills
• Body and movement • Feelings & emotions • Choreography in expression • Movement & rhythm • Explore and express emotions • Build motor skills • Spatial awareness • Verbal and non-verbal

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 & Conditioning includes training for a wide range of exercises that focus on mind, mobility, stability, strength, endurance, power, speed, agility and performance. **Skills & 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