

Grade 2 – Learning Area specific course descriptions

ENGLISH
<p>By the end of Grade 2, students begin to read and comprehend the components of fiction, nonfiction, and poetry. They use a variety of strategies for decoding unrecognized words, including segmenting into individual sounds, separating into syllables, using analogy, identifying known suffixes and prefixes, applying known spelling rules, visual memory and contextual cues. They begin to scan a passage to find specific information.</p> <p>Students identify the primary purpose or gist of a text. They read and spell high-frequency words, forming all letters correctly and using joined up writing. They speak clearly and confidently on a range of contexts. Students begin to build up handwriting speed, fluency, and legibility. They write portraits of a character, stories, and poems with the help of organizational rubrics, drafts and attend to spelling, mechanics, and presentation.</p>
MATHEMATICS
<p>By the end of Grade 2, students will learn to count numbers up to 1000. They perform operations of addition and subtraction within 1000. Students attempt to solve word problems involving the operations of addition and subtraction. They progress to multiplication and division of numbers using pictures. Multiplication tables of 2, 5 and 10 will be introduced followed by tables of 3 and 4.</p> <p>Students will also learn to solve word problems involving multiplication and division. New concepts in measurement, spatial awareness, time and fractions are introduced as well. Students will also learn to perform calculations with money and learn how to interpret picture graphs.</p>
SCIENCE
<p>The Science curriculum in Grade 2 explores the variety of objects, organisms, and systems that are made up of parts—an idea that applies to the physical, life, and earth and space sciences, as well as engineering practices. Core ideas in physical science include exploring different kinds of matter, their properties, and changes are caused by heating and cooling. In earth and space sciences, the emphasis is on wind and water, their roles in shaping the Earth’s surface, and how humans can limit their effects.</p> <p>Students also learn the different speeds at which some of Earth’s events take place. Life science focuses on the need of plants, how they depend on animals for dispersion of seeds and pollination, and the diversity of life found in different habitats.</p> <p>As part of the curriculum, students participate in a design thinking challenge and use engineering practices to develop simple solutions to real world problems.</p>

SECOND LANGUAGE – HINDI*

By the end of Grade 2, students begin to read and write short sentences with little or no guidance. They are able to ask and respond to basic questions about themselves and their surroundings. Students read and spell few high frequency words correctly and are able to identify word meanings, synonyms and antonyms.

Students give short basic descriptions about themselves, their family members and friends, and narrate past incidents. They begin to build up speed and legibility in handwriting. Through contextual clues they will be able to predict content and meaning of short stories and poems with guidance.

COMPUTER SCIENCE

Students understand the Input-Process-Output cycle of the computer. They infer that input/output into/from a computer is done using specific devices. They comprehend that computers are suited for memory intensive and repetitive tasks and computers require exact instructions in order to complete a task.

Students learn about the responsibilities of being a digital citizen. They solve simple logical problems and present data visually. Students learn about digital image representation and the concepts of pixels. They demonstrate image editing skills using Paint and text editing skills using MS Word.

Practical Skills:

- Open, edit, save and retrieve documents.
- Use formatting, font options, edit options in text editor.
- Identify underlined words in text editor as words that could be grammatically wrong or misspelt.
- Use Color 1 and Color 2, Outline, Size and Brushes in image editor.
- Practise touch typing using Top row, Home row and Bottom row keys.

READING

Grade 2 Reading program focuses on encouraging students to become independent, skilful and avid readers. Students read different genres, explore comprehension strategies, critical thinking and decoding skills.

VISUAL ARTS

The curriculum under visual arts is designed to stimulate creativity and imagination among students and hone their artistic skills. Students get to experience various types of media, explore different kinds of art and their techniques. They learn the fundamentals of art and design, gain experience with tools, materials and techniques required for making the art, master the required concept and skills.

PERFORMING ARTS

Through the music curriculum under performing arts, the students develop interest and appreciation towards music. Students learn to differentiate genres, familiarize with famous songs, analyse lyrics and sounds. Higher grades learn how to differentiate between pitch and rhythm while exploring how pattern and repetition work in music. Across all grades, the music curriculum encourages students to express their creativity and talent through classes and competitions.

STORY TELLING

Storytelling is an extremely important component of Grade 2 curriculum. It is considered one of the most innate, humane and important form of classroom discourse and communication. Story telling sessions engages and encourages students to employ their predisposition to respond to story and use their narrative understanding as the primary meaning making tool. Students benefit from storytelling as it:

- Supports and promotes auditory processing skills and listening skills
- Introduces new vocabulary
- Expands visualization skills as children form pictures in their minds.
- Heightens sensory imaging as all senses are elicited: tasting, touching, smelling, hearing, and feeling.
- Brings order through use of thinking skills.
- Improves decision-making skills.
- Enhances memory and stretches attention spans.
- Encourages public speaking.
- Helps them empathise with different characters, events and settings.
- Makes connections and understandings between the past, present, and future.
- Strengthens writing skills as examine the structure of a story.

LIFESKILLS

Life-skills in primary school, encourages students to adopt habits of the mind and heart. Through these, they learn to work independently, develop self-discipline, express emotions appropriately and become confident, resilient and adaptable learners. Students identify personal capabilities – gain and use knowledge, ask questions, clarify concepts and ideas, seek possibilities, consider alternatives and solve problems. They learn how to show respect, how to be considerate and understanding of other's perspectives, emotional states and needs. The program helps students to develop social and emotional skills, learn to manage themselves, relate to others, develop a sense of self-worth, resolve conflict, engage in teamwork and feel positive about themselves and the world around them- i.e. in their daily life, society and the environment.

OTHER

Students in Grade 2 also attend weekly sessions in Yoga, Physical Education, outdoor games and quiet reading time at the school library.