

Syllabus

When a child graduates from Birla Brainiacs, he/she is well equipped with skills in literacy, numeracy, conceptual understandings and critical life skills that are age appropriate.

➤ **DEVELOPMENTALLY APPROPRIATE**

The entire Birla Brainiacs curriculum is based on the approach that honors the development of the whole child; intellectually, physically, emotionally, and socially across ages. It also recognizes that all children are intelligent and capable learners and will develop across and within these developmental areas in unique and individualized ways.

➤ **INTEGRATED**

Keeping in line with the Early Childhood philosophy, we believe that children learn in different ways and learn better if learning experiences are interconnected or integrated, our curriculum too is theme based and investigates ideas from multiple perspectives. Our themes combine different areas of learning and become catalysts for developing concepts, skills and attitudes while relating this learning to real life. This learning ensures development of the child's head, the heart and the hands.

➤ **THEME BASED CURRICULUM**

In a theme based curriculum, each skill area of the curriculum is linked to a topic which refers to a theme. Themes could be a week-long, two week long or a month long. Themes are very specific, for example a Upper Kindergarten (U. KG) class of four year olds might be learning about Icky Insects as a two week theme. All of their classroom activities would be tied into the theme.

Research shows that learning is an integrated process, and that theme-based education is beneficial in several ways. Children of all ages benefit from the connections made across the curriculum. Rather than teaching each skill in isolation. Children are encouraged to learn about different aspects of a larger topic. This helps children to make connections and become creative in their thinking.

➤ **CREATIVE**

We engage learners through creative learning experiences. Creative expression across learning domains is invited, encouraged and celebrated.

Children are exposed to dynamic learning environments, challenges and choices in activities, open ended questions, and interactions with peers and teachers. Working with colours and textures, engaging with music and movement and a plethora of other mediums with ample freedom ensure nurturance of the innate creativity in each child.

➤ **CARE FOR SELF, OTHERS AND THE ENVIRONMENT**

Care for self begins with building self esteem through developing self help skills, providing choices, autonomy, challenges, successes, affirmations and support to help the children know and flourish in this knowledge of being unique and special.

Working collaboratively through opportunities for sharing, waiting for ones turn, taking the role of the other and resolving conflicts helps children extend this care to others.

Caring for the environment is a habit that is inculcated early in children. This connecting thread runs through the entire curriculum and the practices followed at Birla Brainiacs.

Upper Kindergarten (UKG) Syllabus

Literacy	<p><u>Pre-Literacy Concepts:</u> wet/dry, fast/slow, full/empty, hot/cold, open/close, rough/smooth, near/far, front/back, left/right, etc</p> <p><u>Letters:</u> Aa to Zz</p> <p><u>Sight Words:</u> I, he, she, we, me, you, my, all, no, go, the, are, to, and, his, her, they, was, our, your, etc</p> <p>Picture reading</p> <p>Letter-Picture association</p> <p><u>Phonic Sounds:</u> 42 Phonics sounds</p> <p><u>Family Words:</u></p> <ul style="list-style-type: none">- 3 letter family words: 22 family words- 4 letter family words: 15 family words <p><u>Blends:</u></p> <p><u>Logo Reading:</u></p> <p>Traffic Signs Reading</p>
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	<p>Map Reading</p> <p>Poster Reading</p> <p><u>Writing sentences:</u> using sight words and family words</p> <p><u>Writing independent paragraphs:</u> (3 – 4 sentences) Myself , etc</p>
Numeracy	<p><u>Pre Numeracy Concepts:</u> few/many, heavy/light, long/short, understanding time, etc</p> <p><u>Numbers:</u> (recognition and counting in hundreds, tens and ones)</p> <p><u>Number Names:</u></p> <p><u>Shapes:</u> recognizes shapes and its basic characteristics 2 D shapes and 3 D shapes:</p> <p>Sorting using two attributes</p> <p>Size Seriation</p> <p>Patterning</p> <p><u>Mathematical Concepts:</u> Missing numbers Before and After numbers, In between numbers</p> <p>Backward counting</p>

	<p><u>Addition:</u> using concrete objects and number line</p> <p><u>Subtraction:</u> using concrete objects and number line</p> <p>Whole, Half and Quarter</p> <p><u>Time:</u> Time related vocabulary, parts of a clock, understands the clock and can read time hourly</p> <p><u>Backward counting</u></p> <p><u>Money:</u> Indian notes and coins</p> <p><u>Ascending and Descending Numbers</u></p>
Colours	Intro to terms of primary, secondary and tertiary colours.
Pre- Writing	Patterns
Community Helpers and Scientists	Maid, Watchman/Security Guard, Teacher, Sweeper, Plumber, Hydrologist, Miner, Geologist, Potter, Mason, Astronaut, Ecologist, Politician (PM, President, CM), Forest Ranger, Vet, Zoologist, Zoo Keeper, Carpenter, Entomologist, Beekeeper, Lepidopterist, Fisherman, Marine Biologist, etc

Hindi	<p>Identification and recognition of swar and vyanjan and its corresponding words:</p> <p>Tracing and independent writing of swar and vyanjan</p> <p>Identification and recognition of numbers</p> <p>Tracing and independent writing of 2-3 letter words without matras</p> <p>Reading simple sentences</p>
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- **Virtual celebration of special events like Parents Day, International Yoga Day, etc**
- **Virtual celebration of festivals like Ganesh Chaturthi, Diwali, Eid, Christmas, Independence Day, etc.**
- **Yoga, Art and Craft activities , Song and Rhymes, Music and Movement and Story Time**
- **Eco – Friendly activities**
- **Detailed Assessment on Holistic Development**