



SHEMFORD FUTURISTIC SCHOOL KATWA

**Academic Curriculum
Session: 2024-2025**

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Content

Mission: Page – 3

Vision: Page – 4

Objective: Page – 5

History: Page – 6

Academic Curriculum: Page – 7 to 14

Future: 15

Mission:

The mission of Shemford Futuristic School at Katwa is likely to reflect its commitment to providing a progressive and forward-thinking educational experience. While specific wording may vary, the mission might encompass the following elements:

Innovation: To foster a culture of innovation and creativity, empowering students to think critically, solve problems, and adapt to an ever-changing world.

Excellence: To strive for academic excellence by providing a dynamic learning environment that challenges students to reach their full potential and prepares them for future success.

Character Development: To instill values such as integrity, empathy, resilience, and ethical leadership, nurturing students to become responsible global citizens and compassionate individuals.

Holistic Growth: To promote the holistic development of each student, encompassing academic, emotional, social, physical, and moral dimensions, thereby nurturing well-rounded individuals.

Community Engagement: To actively engage with the local community and cultivate a sense of social responsibility among students, encouraging them to contribute positively to society.

Technology Integration: To leverage technology as a tool for learning and innovation, equipping students with the skills and knowledge needed to thrive in a digital age.

Lifelong Learning: To cultivate a love for learning and a growth mindset that inspires students to embrace lifelong learning, pursue personal and professional growth, and adapt to new challenges with confidence and resilience.

By adhering to this mission, Shemford Futuristic School in Katwa endeavors to provide a transformative educational experience that prepares students not only for academic success but also for leadership, citizenship, and meaningful contributions to the world.

Vision:

The vision of Shemford Futuristic School at Katwa likely outlines its aspirations and long-term goals for the institution and its students. Here's a potential articulation of their vision:

"To be a premier educational institution at Katwa, recognized for our commitment to excellence, innovation, and holistic development. We envision a dynamic learning community where students are empowered to become future-ready global citizens, equipped with the knowledge, skills, and values to thrive in an ever-evolving world. Through a blend of academic rigor, technological integration, and personalized support, we aspire to cultivate a culture of curiosity, creativity, and compassion, inspiring students to pursue their passions, make a positive impact on society, and lead fulfilling lives."

Objective:

The holistic development of students at **Shemford Futuristic School Katwa** encompasses various aspects of their growth, including academic, emotional, social, physical, and moral development. Here's how the school might approach each aspect:

Academic Development: Shemford Futuristic School Katwa likely emphasizes a robust academic curriculum aligned with educational standards. Teachers may employ innovative teaching methodologies to cater to different learning styles, ensuring that students grasp concepts effectively. Additionally, the school may provide resources for remedial support and enrichment programs to cater to diverse academic needs.

Emotional Development: The school likely prioritizes the emotional well-being of its students by fostering a supportive and nurturing environment. Counselors or mentors may be available to provide emotional support, guidance, and counseling services as needed. The school may also organize workshops or activities focused on building emotional intelligence, resilience, and self-awareness.

Social Development: Shemford Futuristic School Katwa School likely promotes opportunities for students to interact, collaborate, and build meaningful relationships with their peers. Group projects, team activities, clubs, and extracurricular programs encourage social interaction and help students develop essential interpersonal skills such as communication, cooperation, and leadership.

Physical Development: The school likely recognizes the importance of physical health and encourages students to participate in sports, fitness activities, and outdoor games. Physical education classes, sports teams, and recreational facilities may be available to support students in maintaining an active lifestyle and developing physical skills, coordination, and sportsmanship.

Moral and Ethical Development: Shemford Futuristic School Katwa School likely places a strong emphasis on character education and moral values. Through ethical discussions, community service projects, and values-based curriculum integration, students are encouraged to cultivate virtues such as honesty, integrity, empathy, respect, and responsibility.

Intellectual Development: The school likely promotes critical thinking, creativity, and problem-solving skills across all academic disciplines. Students may be encouraged to explore interdisciplinary connections, engage in inquiry-based learning, and pursue independent research projects to enhance their intellectual curiosity and stimulate intellectual growth.

By addressing these aspects comprehensively, Shemford Futuristic School Katwa School aims to nurture well-rounded individuals who are academically competent, emotionally resilient, socially adept, physically healthy, morally upright, and intellectually curious, thus preparing them to thrive in various facets of life.

History:

A social activist Amar Chand Kundu, whose dream was to expand education for all, has built several public and private colleges and schools. He also had a dream to set up an English medium school for the boys and girls of towns and remote villages and to fulfill the dream, he established Shemford Futuristic School Katwa at Tikarkhanji in 2022 where all the students will build their future with quality and will learn to be humane.

Curriculum:

Curriculum is a standards-based sequence of planned experiences where students practice and achieve proficiency in content and applied learning skills. Curriculum is the central guide for all educators as to what is essential for teaching and learning, so that every student has access to rigorous academic experiences

PRE-PRIMARY CURRICULUM: The Pre-school curriculum is meant for early childhood setting where three- to five-year-old children receive age and developmentally appropriate early education. The curriculum follows a holistic approach where practitioners support and scaffold children's learning through enriched play.

- The Curriculum is theme based e.g., Transport, Water,
- The Curriculum is child centred.
- The Curriculum focused on using a wide range of learning experiences.
- The Curriculum encourages an Integrated Approach
- The Curriculum encourages development of life skills and Life Science.

Assessment:

- Assessment involves continuous observation of children while they are at task (for example: Preparing for reading, writing, playing with blocks, puzzle etc)
- Observation and assessment should be a continuous process in early childhood education through which the teacher will be able to assess not only the children but her own teaching strategies as well
- These observations are written in an observation register.
- Maintaining a child's portfolio.

The curriculum is developmentally appropriate and aims for the holistic development of students by equipping them with the 21st century skills. It ensures stimulating experiences across different domains to address the needs of a child.

FOUNDATION	LKG	UKG
English	English	English
Numeracy	numeracy	numeracy
General Awareness	General Awareness	General Awareness
Art and Craft	Art and Craft	phonics
phonetics	Rhymes	Rhymes
recitation	Storybook, handwriting, Hindi	Handwriting, storybook Hindi

Art and Sports integrated Pedagogical Approach: Due focus is laid on Art and Sport integrated Pedagogical Approach. Art can play an effective role in strengthening the child s curiosity, imagination and helps in developing skills related to intellectual, socio -emotional, motor, language and overall literacy

Sports integration foster holistic development by promoting physical and psychological well-being while also enhancing cognitive abilities.

VALUE -BASED EDUCATION

The students imbibe the essential qualities of honesty, fair play, empathy, courage, integrity, compassion, loyalty, and courtesy through morning assemblies, the celebration of festivals, and day -to - day interaction with the teachers. The effort is to guide the student towards appropriate behaviour and the development of a strong character.

PRIMARY AND UPPER PRIMARY

English	English	English
Hindi	Hindi	Hindi
Bengali	Bengali	Bengali
mathematic	Mathematics	Mathematics
Art education (art, dance, song)	Social sci.	English
Social science	Art education (art, dance, song)	Hindi
	l	Bengali
		Mathematics

The primary wing provides a happy, caring and a stimulating environment that instils in the student's zeal and joy for learning.

Thematic curriculum which is balanced integration of the cognitive, psychomotor and affective domains of learning is followed in classes 1-111.

TEACHING LEARNING STRATEGIES; to make space for critical thinking, inquiry-based, discovery-based, discussion -based and analysis -based learning, Discussion- based, a variety of creative and innovative strategies are implemented.

Holistic development: classroom sessions regularly contain more fun, creative, collaborative and exploratory activities for students for deeper and more experiential learning. under this structure, students get actively involved in their learning and are encouraged to think critically and solve problems independently.

EXPERIENTIAL LEARNING: It helps students make deep and long -lasting connections with the course material. as a part of the thrust on experiential learning, activities related to art -integrated education is embedded in classroom transaction not only for creating joyful classrooms, but also, for imbibing the Indian ethos and learning process. The pedagogical structure based on the principles of learning by doing ,and active learning is followed.

The aim of education is not only cognitive development, but also building character and creating holistic and well -rounded individuals equipped with the key 21st Century skills.

It is our constant endeavour to encourage and facilitate our students to learn to be collaborators, innovators, and creative thinkers who will be ready to take on any challenge.

VALUE -BASED EDUCATION: Education is knowledge imbued with wisdom and ethics which mould the behaviour and personality of the students. Besides this the students imbibe the essential qualities of honesty, fair play, empathy, courage, integrity, compassion, loyalty, and courtesy through morning assemblies, the celebration of festivals, and day -to-day interaction with the teachers. The effort is to guide the students towards appropriate behaviour and the development of a strong character.

ASSESSMENT: A continuous and comprehensive assessment scheme is followed. The student is assessed regularly and evaluation is based on child participation and

Performance in class activities, project work, group work, worksheets, class assessments, class-response, reading and communicative skills, morning assembly, individual and group behaviour.

Class I-III:

Class I-III have continuous comprehensive assessment. Through this assessment students are observed on regular basis regarding their progress in academics.

The assessment of students is done in two areas.

Scholastic:

It includes discussion, quiz, classwork and homework, visual testing, oral testing, projects, assignments, art-integrated activities, class test etc.

Conceptual Understanding;

The children are assessed for reading proficiency, dictation and recitation on regular basis.

Mental ability is assessed through assignment.

The report card of the student reflects only grades for I, II and III.

Co-Scholastic:

For holistic development of the student, co-curricular are observed through participation and students are graded term wise on 3-point gradin scale.

Scholastic:

There are two terms in an academic session.

Term - 1

Periodic Assessment - 1

Periodic Assessment - 2

Note Book -

SEA -

Portfolio -

Total Marks - 100

Term - 2

Periodic Assessment - 1 -

Periodic Assessment - 2 -

Note Book -

SEA -

Portfolio -

Total Marks - 100

Average of Term - 1 & Term - 2 = Final result

Subject enrichment activities

Languages: listing skills, speaking skills, reading skills, project worksheet, works sheet, spell bee, elocution.

Mathematics: activities, project works, puzzles, worksheets,

Science: experiments, project work, quiz, group activities, worksheets,

Social science: map works, project works, quiz, group activities, worksheets,

Co-scholastic: for holistic development of the students, co-curricular activities are observed to participations and students are graded term wise. The report card of the students reflects mark as well as Grades for class V and IV.

Middle classes: the middle school curriculum marks the stepping stone to success.

It is the transitional period from child hood to adolescence which includes a lot of biological emotional and academic changes. The curricula of the middle school offer the productive and research-oriented environment which augments our students inter personal skills. It lays a strong foundation for the holistic development of the child. The amalgamation of curricular, co-curricular and extra-curricular activities provides a dynamic platform. There by making learning a splendid experience.

With the use of latest technologies and advanced teaching methods, our school emphasises a deeper understanding of the concept taught to the students.

The students of classes VI – VIII for development of sensitivity towards fine arts – music, dance, drama, craft, drawing, and painting are also part of curricula.

Our focus

- Helping students ‘learn how to learn’
- Developing work habit
- Developing self confidence
- Developing conceptual understanding
- Building background knowledge

Then middle school offers caring, safe and supporting environment in which students can thrive on change, prepare for high school, established good habit of mind for lifelong learning.

Middle school curriculum

1. Inter disciplinary approach
2. Go beyond the text book
3. Shift away from rote methods
4. Effective assessment system
5. Connect knowledge to the life outside the school
6. Stimulating school environment
7. Nurture sensitivity towards environment, economy and society

Teaching learning strategies

Technology enhanced activity learning classroom at our school supports student-centred teaching and learning. The teachers focus on cognitive learning together with educational research with more engaging activities that invite students to participate in learning, including developing conceptual awareness, applying knowledge through experience and transferring skills across contexts. The teachers also emphasise upon the development of communication skills that cater to the needs of the 21st century through collaborative learning. They believe that group work can help students uncover and address gaps and misconceptions in knowledge, further develop their conceptual frameworks, improve their public reasoning and team-based skills, and develop their intellectual capabilities.

Value education periods

Value education promotes tolerance and understanding above and beyond our political, cultural and religious differences, putting special emphasis on the defence of human rights, the protection of ethnic minorities and the most vulnerable groups and the conservation of the environment.

Life skills

Class teacher regularly conduct classes to help students find new ways of thinking and problem solving. Various technique such as inferential story development, puzzle solving, group discussion etc. are used in the life skills session.

VI - VIII

Sl. No.	Subjects
1	Language 1
2	Language 2
3	Social science
4	Maths
5	Science
6	Skills based subject

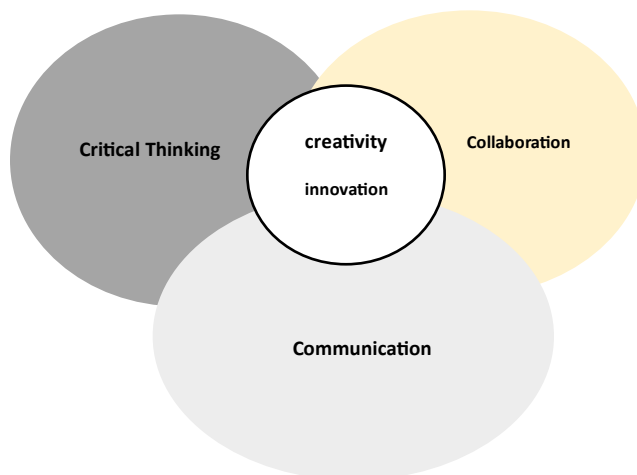
Special emphasis on integrated Arts and Education

All disciplinaries being pursued by students at all stages require creative thinking and problem-solving abilities. Therefore, when Art is integrated with education, it helps the child apply art-based enquiry, investigation and exploration, critical thinking, and creativity for a deeper understanding of the concept.

Secondly, art integrated learning for a strong contender for experiential learning as it enables the students to drive meaning and understanding, directly from the learning experience.

Thirdly, this kind of integration not only making the teaching and learning process joyful, it has a positive impact to the development of certain life skills such as communication skills, reflection and

enquiry skills, self-esteem, appreciation of aesthetics and creativity etc. Fourthly, the kind of integration bourdon the mind of the students, and enables him/her to see multi-disciplinary links between subject, topics and real life.



21st century skills

There are there major 21st century skills i.e., learning skills, literacy skills and life skills.

Learning Skills	Literacy Skills	Life Skills
Critical thinking	Media literacy	Flexibility
Creativity	Technology literacy	Leadership
Communication	Information technology	Initiative
Collaboration		Productivity
		Self-awareness

It is important that students are able to think scientifically, mathematically or artistically to face the real-life challenges in an information technology driven world and enhance their inherent potential.

Library, Story Time, Seasonal Books

Songs, Rhymes,
Puppet Shows

Colouring, Painting,
Drawing, Make & Do

Stories

Songs

Arts & Craft

Alphabets,
Numbers,
Colours,
Shapes,
Opposites

Learning

Outdoors

Curriculum

Ball Play, Sand
Pit, Nature
Walks, Bird
Feeder

Free Play

Computers

Nature Table

Desk Top Toys, Dress
Up & Home Corner,
Jigsaws & Puzzles

Introduction to
Computers

Planting Seeds, Seasonal Nature Displays

Future:

The future of Shemford Futuristic School Katwa looks promising, driven by its commitment to providing holistic education and preparing students for the challenges of tomorrow. The school's strategic vision involves several key areas of development:

As the world becomes increasingly digital, Shemford Futuristic School Katwa aims to integrate advanced technology into its curriculum and infrastructure. This includes the use of smart classrooms, interactive learning tools, and digital platforms that enhance both teaching and learning experiences.

The school plans to expand its curriculum to include more diverse subjects and innovative teaching methods. This will involve incorporating STEM (Science, Technology, Engineering, and Mathematics) education, arts, and vocational training to ensure students have a well-rounded education that prepares them for various career paths.

Continuing its tradition of fostering intellectual, emotional, and social growth, the school will place a stronger emphasis on extracurricular activities, sports, and character-building programs. This approach aims to nurture well-rounded individuals who are not only academically proficient but also emotionally intelligent and socially responsible.

Future plans include upgrading and expanding the school's infrastructure to provide a more conducive learning environment. This involves building new facilities, such as science and computer labs, sports complexes, and creative arts centers, to support the diverse interests and talents of students.

Recognizing the critical role of educators in student success, the school will invest in continuous professional development for its faculty. This includes training programs, workshops, and seminars that keep teachers updated with the latest educational trends and teaching methodologies.

Shemford Futuristic School Katwa aims to strengthen its community ties and foster global connections. This involves collaborating with other educational institutions, participating in international exchange programs, and engaging with the local community through various outreach initiatives.

In line with global trends towards sustainability, the school plans to implement eco-friendly practices within its campus. This includes waste reduction programs, energy-efficient infrastructure, and incorporating environmental education into the curriculum to raise awareness among students about sustainable living.

By focusing on these key areas, Shemford Futuristic School Katwa envisions a future where it continues to lead in educational excellence and innovation, preparing its students to be successful, compassionate, and responsible global citizens.