

# CONCEPT

## The Academic Curriculum

(Innovative curriculum, Innovative Teaching Methods)

## ACADEMIC PROGRAMME

Our academic programme is designed to stimulate the intellectual capabilities of the student, to encourage creativity and to produce results in conformity with the best that she / he is capable of. The thrust is towards **‘Inculcating love for learning’**.and **‘creating life-long learners’**. Cooperation and collective endeavour, rather than individualistic competition is encouraged.

The academic curriculum follows the broad guidelines set by the NCF/NCERT/CBSE and the Senior –School students appear for Secondary and Senior Secondary Examinations conducted by the Central Board of Secondary Education, New Delhi.

The medium of instruction is English.

The five sequential segments of our academic programme are:

- **JMIS-UPVAN** - (Grades **ANKUR/Nursery** and **PALLAV/K.G.**)

The (Pre-school & Pre-Primary) Early years Programme (EYP)

- **JMIS-PRATHAM** - (Grades I & II)

The Early primary years Programme (EPYP)

- **JMIS-SAKSHAM** - (Grade III - V)

The primary school years Programme (PYP)

- **JMIS-PRAKHAR** - (Grade VI - VIII)

The Middle School Years Programme (MYP)

- **JMIS-SHIKHAR** – (Grade IX-XII)

The Senior School Years Programme (SYP)

**JMIS-UPVAN** - (Grades **ANKUR/Nursery** and **PALLAV/K.G.**)

**The (Pre-school & Pre-Primary) Early years Programme (EYP)**

A place where toddlers can discover the fascinating world of fun and friends, the pre-school at The J M International School lays the foundation for a lifetime of self learning and related skills. A wide range of

activities like drawing, colouring, cutting tearing, pasting, plasticine and clay work, creative worksheets, poetry, public speaking, circle-time, discovery hour, vocal music, orchestra, dance, storytelling, dramatics, puppetry, sand-play, water-play, Montessori-activities, indoor and outdoor games, karate, skating, excursions, events, celebrations, film-time, audio-visual study modules and working with computers are introduced to children to facilitate learning through the play-way method.

The focus in ANKUR & PALLAV is on learning through experience. Applicable to both, academic skills as well as co-curricular activities during Pre-school and Pre-primary school years, learning through experience are achieved through exposure to many activities. Development of the child's scientific temper, evolution of a questioning, inquisitive mind, self expression and communication, Language development, Pre-Math and Number skills, self-awareness, environmental awareness, self confidence along with spatial, motor, social and emotional skills will be honed and transacted through the curriculum. The skill assessment is on the basis of day-to-day observation.

Our Speech and Drama Programme incorporates our unique, specialized (TIE) Theatre in Education) methodology. It includes the elements of drama, role play or imaginary play as a means of building confident and expressive communication, creativity, collaboration and cognitive development. Each programme is carefully planned, with clear learning structures and considerable attention paid to creating a positive and enabling environment. The skills developed through our classes are what your child will need to flourish in our ever changing world. We look forward to welcoming you into our classes, sharing our unique teaching methodology and celebrating each new achievement.

## **GRADE ANKUR (NURSERY)**

Speech and Drama for nursery students is language in action with stories, music, props and characters to engage children. By incorporating rhymes, songs, puppets and our specially selected collection of literature into our classes, we enable young children to develop their use of language in a stimulating yet natural setting. Children are encouraged and motivated to develop inquiry-based learning as independence is nurtured, as our teachers create a fun and friendly environment to build confidence and expressive communication from a young age.

The programme includes:

- **Music, songs and movement games:** Children learn to focus through exposure to music and movement.
- **Art and craft:** Children develop their fine motor skills while stimulating their creativity.
- **Free play:** Children develop fine motor skills, confidence, independence and social skills.
- **Stories and poems:** Reading stories aloud stimulates young children's and develops expressive language.
- **Drama:** Creativity and imagination are fostered through role-play activities.

## **GRADE PALLAV (KINDERGARTEN)**

Speech and Drama segment for PALLAV students are based around stories and poems which appeal to children's interests, whilst helping them develop self-awareness and an understanding of their own abilities. Children develop language skills through our thematically-structured curriculum, designed to support creativity, imagination and boost self-esteem. Our teachers nurture teamwork, collaboration and communication skills as the children extend their experiences through drama and try out different roles and ideas. This experience helps them develop co-operation and creativity and provides an appropriate, child-centred introduction to performance. Our teaching methodology supports children's development of communication skills and self-leadership abilities in a natural progression, starting with initial self-discovery and moving on to self-actualization as young adults who contribute their talents at home, in school and in society. Such self-leaders express their best selves through resources and skills mastered through the Speech and Drama process: confidence, creativity, co-operation and collaboration with others, compassion, courage, cognition and commitment to continuous growth. Speech and Drama enables the discovery and development of our faculties and simulates learning through experience and exploration. Skills are mastered over time through practice within the security of a group.

### **Our Curricular aims**

- Experiential/Conceptual/Application based & burden less learning
- Strengthening of phonetics and sight word reading skills.
- A lot of discussion, hands on activities and concept building.
- Extending the learning beyond class rooms through excursions and visits.
- Application of knowledge and understanding rather than rote learning.
- Correct letter formation, Impressive handwriting and work presentation.
- Developing creative and 'thinking' minds.
- Strengthening of English speaking skills.
- Strengthening of drawing and colouring skills.
- Strengthening of public speaking skills and participation in assemblies and other activities.
- Development of pre-learning concepts in children – sense of size, grouping, segregation, sorting, arranging, grading, sequencing, placing, tearing, cutting, pasting, spatial sense etc
- Development of speech and drama skills (EDU-drama).
- Development of motor, psycho-motor, neuromuscular, physical, social and emotional skills
- Overall Personality development of our children
- Above all making learning an enjoyable experience for children.

# **JMIS-PRATHAM** - (Grades I & II)

## **The Early primary years Programme (EPYP)**

School provides a wide range of opportunities for the young children of early primary years to develop physically, socio-emotionally and intellectually. We build a strong foundation from which children can grow to become active life-long learners. The children:

- develop confidence in themselves and their ability to learn
- demonstrate curiosity and the ability to focus their attention
- acquire a level of communicative competence that is personally satisfying
- acquire social skills and abilities which enable them to relate to other children and to adults
- Remain true to their individual natures, being free to develop to their own potential.

A full day encompasses assembly presentation, morning rituals, Circle Time, Show and Tell, Public speaking programme, Discovery hour, Art, Craft, Clay, School-Cinema, Music, Dance, theatre, storytelling, Indoor & outdoor games, PEC, games & sports, swimming, karate, skating, puppetry, katha, Film-time, Language Development, phonetics, communication skills, writing skills, Reading programme, thinking skills, conceptual worksheets, skill-sheets, Monday worksheets, Number work, Environmental study through real life experiences, value-education, general awareness, Aptitude building, skill-building activities, Quiz activities, Computer based activities, audio-visual study modules, cultural events, celebrations, camps, excursions, free play and projects related to an understanding of their world. The skill and proficiency assessment is continuous & comprehensive on the basis of day-to-day activities, worksheets, discussions and observation.

### **GRADE I**

First graders are generally between six and seven years old and have just stepped into full-fledged schooling life. At this age, kids are usually curious about everything and eager to learn. It is in 1st grade that 6 – 7 year olds build their foundation in various subjects and learn new concepts. It is therefore important to ensure that the curriculum covers a wide array of topics that are developmentally appropriate for them as well as a good reservoir of fun and interesting ideas. 1st grade is a time of hands-on learning. The curriculum for 1st graders has been designed keeping in mind the developmental characteristics of 6 to 7 year olds.

First grade curricula must cover the basics of math, reading, science, social studies and arts in a simple and easy-to-understand manner. 1st grade lessons provide the foundation for the learning that happens in later years.

The reading curriculum for 1st grade includes phonetics which includes consonant clusters, vowel clusters and blends, developing comprehension skills, learning to write and form simple sentences with punctuations, and more. The mathematics curriculum covers various basic mathematical operations and concepts that they will need to know in order to learn more advanced concepts later.

First grade activities focus on hands-on learning, listing out activities that parents and teachers can do along with the kids. They sharpen the first graders' skills in various subjects. Activities such as first grade art and craft activities sharpen their fine motor skills. First grade math activities establish their foundation in basic math skills such as simple addition and subtraction. Similarly, reading activities for first graders improve their vocabulary and reading abilities.

Activities for first graders are perfect for parents and teachers looking to make learning interactive and fun!

## **GRADE II**

For students in second grade, instruction focuses on developing literacy and proficiency in language with the goal that all students become lifelong readers, competent writers, and effective communicators. Literacy is critical to academic success and is the key to becoming an independent learner in all other disciplines. Students need to be competent in reading and English language by the end of grade second. By the end of second grade, students should be able to read with accuracy and fluency to support their comprehension of literature and informational accuracy. Their oral reading skills should be developed to the point that they can read to support their grade-level text orally with expression.

In first grade, students learned skills that enable them to read and write with a degree of independence. They should be able to read common sight words and produce the sounds for consonants, consonant blends, and long and short vowels. Students who mastered the first-grade standards have the ability to decode increasingly complex words. They can read first-grade texts accurately and with purpose and understanding. In grade II, students will expand their reading-comprehension strategies for both narrative and informational text. They would be able to retell the main idea of a narrative or expository text and respond to clarifying questions in text. In first grade, students learned new academic and content-specific vocabulary by using context clues, identifying familiar root words in words with affixes, reading and being read aloud to, and in-depth conversations about first grade texts and topics. In grade II, they will learn to write simple compositions in which they applied their knowledge of language conventions, including correctly using singular and plural nouns, capitalizing the first word of a sentence, and using the appropriate ending punctuation to complete sentences.

## Our Curricular aims

- Experiential/Conceptual/Application based & burden less learning
- Strengthening of phonetics and reading skills.
- A lot of discussion, hands on activities and concept building.
- Extending the learning beyond class rooms through excursions and visits.
- Application of knowledge and understanding rather than rote learning.
- Improvement in handwriting and work presentation.
- Developing creative and ‘thinking’ minds.
- Strengthening of English speaking skills.
- Strengthening of drawing and colouring skills.
- Strengthening of public speaking skills and participation in assemblies and other activities.
- Above all making learning an enjoyable experience for children.

## **JMIS-SAKSHAM** - (Grade III - V)

### The primary school years Programme (PYP)

A spirit of enquiry goes hand in hand with the sound acquisition of language and numeracy skills. Our aim is to offer a broad and balanced curriculum. **The subject areas** are English, Hindi, Mathematics, Social Science, General Science, Environmental Studies and computer-science & **the skill building areas/curricular programmes** are General Awareness, Current Affairs, Reading for enrichment, Vocabulary-building, Communication skills, Creative writing, Discovery hour, Newspaper-in-education, School-cinema, Trips & Excursions, Skill-sheets, Conceptual worksheets, Promise workshops, Music, Dance, Drama, Theatre, Katha, Activity Clubs, Art, Technology, Physical Education and Personal, Social & Emotional development, Health Education, community service (JMIS-Seva), workshops, excursions etc. The focus in the primary classes is on learning through experience. Applicable to both, academic as well as co-curricular activities during primary school, learning through experience are achieved through exposure to many activities. Development of the child’s scientific temper, evolution of a questioning, inquisitive mind, self expression and communication, self confidence along with spatial and motor skills is honed and transacted through the curriculum.

A lot of emphasis is given upon

- Experiential learning through innovative teaching methods
- Learning beyond textbooks and classrooms

- Connecting education with real life
- communication skills in English language
- inculcating strong reading habits
- Developing creativity and thinking skills
- Developing creative writing base
- Talent search and enhancement
- Overall Personality Development
- Conceptual clarity and ability to think, analyze and reflect
- Ability to build self-opinion and share ideas
- Sound value system, sensitivity and caring attitude
- Development of life-skills – leadership, team-spirit, positive attitude and social & Emotional Intelligence

The assessment of student work is continuous, comprehensive and broad in its scope, based on day-to-day activities, discussions, observations, assignments, projects, conceptual worksheets, Monday worksheets, formative learning, behavior, value system, attitude and two terminal rounds of summative assessments in semester – I (April-September) & Semester – II (October –March). Students are encouraged to reflect on their work and assessment and make efforts for continuous improvement. The competition is with self rather than with others and in that spirit, no one loses and everyone wins.

## **JMIS-PRAKHAR - (Grade VI - VIII)**

### **The Middle School Years Programme (MYP)**

The methodology followed during these formative years will be an extension of the one utilized in the primary classes. Again, acquisition of knowledge is achieved through questioning, dialogue, experimentation and exposure to various media. The subject areas are English, Hindi, Mathematics, Social Science(History, civics & Geography), Integrated Science and computer-science & the skill building areas/curricular programmes are General Awareness, Current Affairs, Aptitude for logical reasoning and numerical ability, Reading for enrichment, Vocabulary-building, Communication skills, Creative writing, Discovery hour, Newspaper-in-education, School-cinema, Trips & Excursions, Skill-sheets, Conceptual worksheets, Promise workshops, Music, Dance, Drama, Theatre, Katha, Activity Clubs, Art, Technology, Physical Education and Personal, Social & Emotional development, Health Education. community service



(JMIS-Seva), Excursions, workshops, guest-speak, video-conferencing and international exchange programmes under global dimension programme. The focus in the middle school classes is on consolidating the learning experiences.

Ample opportunities are provided to the children to interact with each other within the student community, on the same platform, through encouraged participation in various intra and inter school activities.

A third language (French/Sanskrit) is introduced to the students at this stage. Academic teaching incorporates an activity and experimental based programme whether in Science, Mathematics, Languages or social sciences.

The parameters of holistic education & all-rounder personality are consolidated

Experiential learning through innovative teaching methods Learning beyond textbooks and classrooms Connecting education with real life communication skills in English language

inculcating strong reading habits Developing creativity and thinking skills Developing creative writing base Talent search and enhancement Overall Personality Development Conceptual clarity and ability to think, analyze and reflect Ability to build self-opinion and share ideas Sound value system, sensitivity and caring attitude Development of life-skills – leadership, team-spirit, positive attitude and social & Emotional Intelligence.

Evaluation during these years is more comprehensive and detailed, based on a grading system on the lines of CBSE's CCE (Continuous & Comprehensive Evaluation) aimed at steering the students towards the mainstream. The assessment of student work is continuous, comprehensive and broad in its scope, based on day-to-day activities, discussions, observations, assignments, projects, conceptual worksheets, Monday worksheets, formative learning, behavior, value system, attitude and two rounds of cumulative tests i.e. cycle test-1, Half yearly exams, cycle test-2 and Annual exams, in consonance with the new CBSE guidelines & examination – bye- laws. Students are encouraged to reflect on their work and assessment and make efforts for continuous improvement.

## **JMIS-SHIKHAR – (Grade IX-XII)**

### **The Senior School Years Programme (SYP)**

JMIS-SHIKHAR (SYP) is an exciting phase where students enter as pre-adolescents full of possibilities and potential and prepare to leave as mature, balanced and thoughtful young adults. This transformation is the result of our learning environment which is both challenging and supportive, our process of teaching and learning and the emphasis given to inculcating values and imparting life skills to all our children. Our teaching methodology recognizes that each student is different and unique and has the ability to shine in their special area under

Careful nurturing and guidance. Teaching is experiential and students are encouraged to engage and actively construct their own learning. Teachers are encouraging and take on the role of facilitators. We aim to make our students independent learners who take responsibility for and enjoy the process of learning and who will remain lifelong learners, capable of making their own decisions and being accountable for their actions. At the same time we recognize that children learn best from each other and collaborative learning and group work is central to classroom and outside classroom experience. Along with a strong academic program, we offer a range of opportunities in music, dance, theatre, pottery, fine art, ICT and sports for our students to excel.

JMIS-SHIKHAR (SYP) empowers our students to respond to real life situations in a positive and responsible way. We aim for all students to be articulate, confident, socially responsible and ethical young people ready for the challenges that would lie ahead as they step out of school.

### **Some special features of JMIS-SHIKHAR (SYP) are:**

Life Skills & value Education programme (School-cinema)

Leadership training programme

Adolescent Education Programme

Study skills & Inspirational modules

Olympiads, NTSE & MUN

Aptitude building for GK, Current Affairs, Logical Reasoning, Numerical Ability

Group Discussions, presentations, symposiums & interview skills programme

Social awareness & Community Outreach Programme to help them recognize their responsibility to society.

Career-counseling, referrals & workshops to provide provided career guidance to help them recognize their areas of interest and help them make an informed decision.

Guest-speak ( Meeting and interviewing multidimensional personalities from various fields)

JMIS-MENTOR programme (academic concepts, study-skills & exam skills) by renowned subject experts

Debating Forum - 'BEHES'

Newspaper-in-Education

Industry visits

ASL, OBT, Aptitude test, General Studies, Physical and Health Education & SUPW activity clubs (including scouting/Guiding) Programs in consonance with CBSE.

### **IX & X**

The secondary classes (IX & X) follow the CBSE prescribed study material, syllabus & curriculum for their Study and Assessment following the broad guidelines set by the CBSE/NCERT. The subjects are English, Hindi, Mathematics, Integrated Science (Physics, Chemistry & Biology). Social Studies (History, Geography, Political Science & Economics), Introduction to Information Technology, Art Education, Work Education (SUPW) & Physical and Health Education.

## **SCHEME OF ASSESSMENT**

### **CUMULATIVE EVALUATION**

*(as per the new CBSE examination bye-laws)*

With the restoration of Class X Board examination with effect from the Academic Year 2017-18

the following assessment structure would be effective from the Academic Year 2017-18 for Classes IX & X.

#### **1. Scholastic Area**

##### **(a) Periodic Test (10 marks)**

The school will conduct three periodic written tests in the entire academic year and the average of the best two will be taken. Three tests would be held as one being the mid-term test and other the two being pre mid and post mid-term with portion of syllabus cumulatively covered. The gradually increasing portion of contents would prepare students acquire confidence for appearing in the Board examination with 100% syllabus. The school will take the average of the best two tests for final marks.

##### **(b) Notebook Submission (5 marks)**

Notebook submission as a part of internal assessment aims at enhancing seriousness of students towards preparing notes for the topics being taught in the classroom as well as assignments. This also addresses the critical aspect of regularity, punctuality, neatness and notebook upkeep.

##### **(c) Subject Enrichment Activities (5marks)**

These are subject specific application activities aimed at enrichment of the understanding and skill development. These activities would be recorded by respective subject teachers.

**For Languages :** Activities for subject enrichment in languages aiming at equipping the learner to develop effective speaking and listening skills.

**For Mathematics:** The Maths laboratory activities and projects.

**For Science:** The practical works/activities/projects would be carried out.

**For Social Science:** Map and project work may be undertaken

#### **2. Co-Scholastic Activities**

School promotes co-curricular activities for the holistic development of the students. These activities will be graded on a 5-point grading scale (A to E).

Activity	Graded on a 5-point scale (A-E) in school	Areas and Objectives
Work Education or Pre-Vocational Education	By the concerned Teacher	Work education is a distinct curricular area for students for participation in social, economic and welfare activities. Students get a sense of community service and develop self-reliance.
Art Education	By the concerned teacher	Art Education constitutes an important area of curricular activity for development of wholesome personality of the students. Students will select one or more forms of creative arts.
Health & Physical Education (Sports/Martial Arts/Yoga/etc.	By the PE Teacher	Health & Physical Activity (preferably sports) is given a regular period. Students are provided opportunities to get professionally trained in the area of their interest. Indigenous sports, yoga and meditation are encouraged in the school to create a sense of physical fitness, self-discipline, sportsmanship, team-spirit, integrity and health care.

### 3. Discipline (Attendance, Sincerity, Behaviour, Values)

Discipline significantly impacts career shaping and it helps build character, Sincerity, good behaviour and values develop strength and foster unity and co-operation. Therefore, the element of discipline has been introduced. Class teacher will be responsible for grading the students on a Five-point scale (A to E)

## XI & XII

### Curriculum Areas at Senior Secondary Level

There are three streams of academic studies functional at JMIS i.e. SCIENCE STREAM, COMMERCE STREAM & HUMANITIES STREAM.

For the purpose of fostering core competences in learners, the curriculum encompasses six major learning areas, which are: Languages, Mathematics, Sciences and Technology, Commerce, Health and Physical Education,

#### Major Contents of Each Curriculum Learning Area in Senior Secondary Classes

1. Languages include English core and Hindi Elective and focuses on listening, speaking, reading and writing skills, along with developing effective communicating proficiencies.
2. Mathematics includes acquiring the concepts related to number sense, operation sense, computation, measurement, geometry, probability and statistics, the skill to calculate and organize, and the ability to apply this knowledge and acquired skills in their daily life. It also includes understanding of the principles of reasoning and problem solving.
3. Science and Technology (Subjects related to Biology, Chemistry, Physics, Engineering Graphics C++ & Information Practices) include gaining knowledge about matter and energy, nature, the environment, technology, breakthroughs in science. It will focus on knowledge and skills to develop scientific attitude, use and application of such knowledge and skills to improve the quality of life and further use this learning to analyze, evaluate, synthesize, create, invent and discover.
4. Commerce (Business Studies, Accountancy, Economics & Entrepreneurship) includes gaining understanding about core business disciplines like the exchange of items of value or products between persons or companies and any such exchange of money for a product, service, or information is considered a deal of commerce.
5. Humanities (English core, Hindi Elective, Psychology, Economics, Multi Media and Web Technology, Vocal Music, Painting) is the study of human thought, culture & experience, employing both scientific methods and humanistic based approaches for their Research.
6. Health and Physical Education focuses on the learning for holistic development like mental and physical. Understanding the importance of physical fitness, health, well-being and the factors that contribute to them. Focus of this curriculum is on helping learners develop a positive attitude and commitment to lifelong healthy active living and the capacity to live satisfying, productive lives with the help of proper health management, sports, fitness and lifestyle choices.

## **SCHEME OF STUDIES OF ACADEMIC STREAMS**

### **SCIENCE STREAM**

### **Core five subjects (compulsory)**

1. English core (compulsory)
2. Physics (compulsory)
3. Chemistry (compulsory)
- 4& 5. Any two out of Mathematics, Biology, C++ & P.E.

*Complimentary study subjects/components/areas (to be graded) (compulsory)*

6. General Studies
7. Work Experience
8. Physical and Health Education

### **COMMERCE STREAM**

#### **Core five subjects (compulsory)**

1. English core (compulsory)
2. Accountancy (compulsory)
3. Economics (compulsory)
- 4& 5. Any two out of Mathematics, Business Studies, Informatics Practice & P.E.

*Complimentary study subjects/components/areas (to be graded) (compulsory)*

6. General Studies
7. Work Experience
8. Physical and Health Education

### **HUMANITIES STREAM**

#### **Core five subjects (compulsory)**

1. English core (compulsory)
2. Business Studies (compulsory)
3. Multimedia & Web Technology (compulsory)
4. Any one out of (Economics, Hindi Elective & Painting)
5. Any one out of (Psychology, Entrepreneurship & Music Hindustani Vocal)

*Complimentary study subjects/components/areas (to be graded) (compulsory)*

- 6.. General Studies
7. Work Experience
8. Physical and Health Education

