

# ACADEMIC PLAN

## Academic plan for preparatory stage (for ages 5 to 8) in terms of NEP 2020/ class I to II in existing system -

- **Pedagogical strategies:**

Activity and play based learning: Use of AV aids, Toy as a learning aid, one concept at a time, simple and easy language, known to unknown.

- **Strategies for Outcome Based Learning:**

Continuous evaluation through oral questions, live work sheets, google form quizzes etc.

- **Strategies for self- regulated learning:**

To observe things and speak about them, to encourage observation, content from Diksha /Nishtha/NCERT audio books etc.

- **Activities for varied forms of learner engage:**

Online, flexible and live worksheet PPT's etc.

- **Framework / Type of assessment:**

To assess after completion of topic: oral/MCQ/Objectives/small questions related to the topic.

- **Activity of conducting Multi- disciplinary learning:**

Activities of SBSB: Yoga/Art/Craft/Music etc.

- **Innovative online practices:**

Google forms, Quiz, Storytelling, Educational videos etc.

- **Strategies for overcoming learning gaps of the learner:**

Regular interaction with the parents to know the inhibitions of the child, motivation and developing self-confidence of the child and to bring them into the main stream: To interact with the child in the regular basis in order to clear the basic concepts of the child. Appreciating the efforts of both the students and the parents.

## Academic plan for preparatory stage (for ages 9 to 11) in terms of NEP 2020/ class III to V in existing system -

### • **Pedagogical Strategies**

- Play based, activity based and inquiry based, discovery based, interactive classroom learning.
- Open learning environment in which students are provided with rich information through demonstration and exercises.
- Cooperative Learning encourages the students of mixed abilities. It promotes small group or whole class activities.
- Use of Interactive board is effective to display the audios, videos, images, photos etc.

### • **Strategies for Outcome Based Learning**

- Continuous evaluation through oral questions, live worksheets, word wall games etc. Whiteboard will be used for getting instant responses during online classes.

### • **Strategies for Self – Regulated Learning**

- Providing a checklist to help students/parents keep a check on self-learning. Some badges may also be shared with them to print or draw and colour for motivation/appreciation.
- Providing reflection zone in which through writing or speaking student can get space to reflect his / her learning appropriately in real life situations.

### • **Activities for Varied forms of Learner Engagement**

- Flexible worksheets/assignments/material as per need. Art integrated learning, multi-disciplinary projects, CMP activities, CCA and different fitness activities will be planned to engage students in different activities.

### • **Framework/Types of Assessments**

- Implementation of assessments to design of competencies, portfolio, rubrics and assessment analytics.
- Regular, formative and competency-based assessment etc.
- Oral, Written, MCQ

- **Activities for conducting Multi – Disciplinary Learning**

- Ek Bharat Shrestha Bharat Activities like converting Assam language phrases to English and Hindi, writing alphabets and numbers. Collecting and writing information about Assam, its population, weather, religions etc.
- Need of corona period: prevention and care during COVID 19(for class 3), homemade food for developing immunity (for class 4) and yoga and physical fitness (for class 5).

- **Innovative Online Practices**

- Buzzing bee exercise before class.
- Story sessions via YouTube.
- Practice videos prepared by teachers to help learning at home.
- Cooperative learning.... For this bright student can make short online quiz like kahoot after completing a particular topic and can ask other students for participation.
- Google Earth for Virtual Tours
- Language and vocabulary enriching YouTube Channels
- Word wall and Live worksheets
- Use of Augmented learning.
- Use of Slide shows
- Use of web portals like DIKSHA & NISHTHA

- **Strategies for overcoming learning gaps of the learners**

- Weekly calls to specific students requiring help. Sending Short videos made by teacher for clarity of student problem.

## Academic plan for middle stage (for ages 12 to 14) in terms of NEP 2020/ class VI to VIII in existing system -

### • **Pedagogical Strategies**

- Preparation of lesson plan of each lesson
- Preparation of list of lesson specific activities
- Active engagement of the students during teaching learning process
- Learning by doing by incorporating the activity-based learning
- Adoption of evaluation system Integrated with teaching learning process
- Monthly subject wise plan through Subject Committee meetings
- Maximize the use of Audio-Visual Aids in online classes as well as offline classes

### • **Strategies for Outcome Based Learning**

- In Subject Committee meetings outcomes of every standard will be decided for next month and specific outcomes for a specific lesson plan (on the basis of NEP-2020)
- All the Lesson Plans will be prepared by having focus on lesson specific out comes.
- Key areas of learning will be assessed during teaching learning process itself.
- Outcomes also will be assessed through Assessment Schedule decided by KVS for all the kendriya vidyalayas.
- There will be another method for evaluation of outcomes through google quizzes, online tools etc.
- Performance of students shall be observed after completion of every topic

### • **Strategies for Self-regulated Learning**

- 1. Planning for projects/ activities to be done by the students at home
- 2. Developing the habit of sharing the activities to the students of another group
- 3. Incorporating peer learning modals
- 4. Students shall be Motivated for self-study
- 5. Involving the parents for monitoring of students at home
- 6. Development of cooperative learning practices

### • **Activities for Active Engagement of Learners**

- 1. Demonstration activities will be adopted for active engagement of the learners.
- 2. The learning will be associated with real life situations.
- 3. Creating a learning environment for the students for self-engagement
- 4. Frequent communication between the teacher and the student will be the key plan of online classes.
- 5. Preference will be given to receive open feedback from the learners.
- 6. Students will be encouraged to share their feelings and problems.
- 7. Use of online games, live worksheets, puzzles and word games etc.

- **Evaluation System**

- First of all, a centralized system of evaluation or assessment decided by KVS for its kendriya vidyalaya will be adopted.
- It may be through continuous comprehensive assessment through periodic test, formative assessment and summative assessment.
- Regular recordkeeping should be adhered for all the evaluation methods.

- **Activities for conducting Multi-disciplinary Learning**

- For multidisciplinary learning, some activities will be used on priority basis like debates, sharing of experiences, participating in SBSB programmes, Yoga Activities, Art & Craft activities, Cultural Programs etc.
- Discussion in online or offline class about the problems which are related to other subjects but are incorporated in the progressing lesson.
- Some project or assignment activities may be given to the students which are interrelated to two or more subjects.

- **Innovative Online Practices**

- There should be active participation of students in online classes by sharing activities and some other interesting activities like online games, puzzles etc.
- Use of Art integrated approach
- Playing videos and conducting activities online
- Use of Google Forms, Online Quizzes, Videos etc.
- Use of various online platforms like Diksha, Nishtha, E-pathshala etc.

- **Strategies for Overcoming Learning Gaps**

- Communication gap should be reduced and build a healthy relationship with students by giving a personal attention to individual student. Interact daily with such students in the classroom so that they become familiar with class as well as their teacher. This will help the teacher to recognize the learning gaps of individual students.
- Use of post learning assessment to identify the learning gaps.
- The teacher shall interact with the student & parents regularly and shall try to know the problems of students.
- Counselling session or online webinars to address the problems of students will be organized in a proper way.

## Academic plan for Secondary stage (for ages 15 to 16) in terms of NEP 2020/ class IX to X in existing system -

### ● **Pedagogical Strategies**

- Transform rote learning to learning by doing .by incorporating the activity-based learning
- Preparation of list of activity lesson specific
- Integrated TLP evaluation
- Active engagement of the students while teaching learning process
- Integrated TLP lesson Plan (Experiential Learning)
- Exploration of relation among the subjects by the heads of Subject Committee to develop integrated approach- to ensure coordination among the teacher bring desirable reflection.
- Art-integrated education will be embedded in classroom transactions.
- Promoting physical and psychological well-being while also enhancing cognitive abilities- Sports Activities.

### ● **Strategies for Outcome Based Learning**

Focus will be on 21st century skills in teaching learning and assessment. Language barriers to be removed. Focus on helping students to develop the knowledge, skills and personalities that will enable them to achieve the intended Learning outcomes.

- Specifying the outcomes
- Use of appropriate teaching learning methods to achieve outcome
- Providing practical based knowledge to students
- Regular assessment for ensuring outcomes.
- There will be another method for evaluation of outcomes through google quizzes, online tools etc.

### ● **Strategies for Self-regulated Learning**

Focus should be on achieving desired learning outcomes, wide access to alternative and innovative education centres, multiple pathways to learning involving both formal and non-formal mode. Link new experiences to prior learning, connection between abstract concepts, analyse the learning task, settings goals plan strategies reflect on performance.

- Set and plan goals
- Rehearse and memorize
- Evaluate and check progress
- Analyse your work
- Structure your environment according to need
- Seek assistance
- Peer discussion.

- **Activities for Active Engagement of Learners**

For the active engagement of learners following activities may be planned-

- Creation of open discussion platform
- Reward and recognition programs for Learner's engagement
- Performance appraisal and incremental points for added learnings.
- Conduction of live quizzes in online classes for interactive sessions.
- Diagram presentation.
- Conduction of projects/ activities/models by students in live classes
- Giving students problems and encouraging them to construct answers.
- Conduction of seminars/digital presentations by students.
- Conduction of debate-based activities.
- Conduction of webinars

- **Frame work//Types of assessment**

Assessment helps the teachers to understand and plan the strategies for students' learning.

- First of all, a centralized system of evaluation or assessment decided by KVS for its kendriya vidyalaya will be adopted.
- Questioning provides opportunities to identify and bridge the gaps in knowledge. providing opportunities to knowledge extension. So, questions should join the previous and future knowledge.
- Proper Execution of practical activities; including Hands on activities, integrating learning to daily life experiences to make it enjoyable.
- An interdisciplinary and multilingual approach must be ensured.
- Role plays, projects, field activities, CCA (art, craft, puppetry, music, dance etc) etc to be integrated.
- Regular recordkeeping should be ensured.

- **Activities for conducting Multi-disciplinary Learning**

Multi-disciplinary approach will develop the inter links among different subjects and learner will also able to apply his/her knowledge to daily life.

- Using graphical and analytical paragraphs to make students understand the mathematical concepts related to other subjects.
- Cartoon/comic/diagram/ different cultural art-based learning to develop art integrated learning.
- Encouraging students to read biographies of famous persons which will help students to enhance historical and literary skills.
- Doing studies on environmental phenomena for knowing geographical concepts.
- Computation and data analysis to understand computer and forensic science.
- Conduction of chemical tests during experimental learning to understand chemistry concepts.

- Handling of apparatus and equipment during experimental learning for understanding physics.
- Dramatization to develop art, historical and literary skills
- Posters/pamphlet making to develop art, historical, literary and other discipline
- Collection of national and International news from magazines to develop political, historical and other discipline.
- Emphasizing on digital literacy, coding and computational thinking, ethical and moral reasoning. while conducting activities there should be no hard separation between curricular, co-curricular and extra-curricular.

### ● **Innovative Online Practices**

New normal circumstances of present day have opened new doors of learning for students and teachers both. Everyone is applying new ideas to make the Teaching learning process interesting and learner centric. Following activities are being used –

- Exposure to AI, 3 D Simulation, use of Teaching-learning e-content, educational You tube videos, optimizing existing digital platforms, blended modes of learning, virtual labs Regular Formative Assessment
- Use of existing learning platforms - DIKSHA, SWAYAM, Nishtha, E-pathshala etc. enhanced educational access to disadvantageous group.
- Game based learning, Various multimedia platforms
- Use of online whiteboards/interactive boards.

### ● **Strategies for Overcoming Learning Gaps**

Generally, it is outcome of communication gap which can be reduced and we can build a healthy relationship with students by

- Giving a personal attention to individual student. For that teacher shall interact with the student & parents regularly.
- Acknowledging and appreciating the efforts of both, the students and the parents can also be used to reduce learning gap.
- Child should be Motivated for developing self-confidence so that he/she can be brought into the main stream.
- Curriculum is to be reduced to core concept, ICT is to be integrated in teaching learning methodology
- Providing more time to students to assess their mistakes and working to correct them.
- Chat with their previous teacher
- Use interactive Quizzes to spark memories of past learning.



**Academic plan for Secondary stage (for ages 16 to 18) in terms of NEP 2020/ class XI to XII**  
**(Science Stream) in existing system.**

- **Pedagogical Strategies**

- Practical and application-based learning experiential learning will be adopted. Cooperative Learning encourages the students of mixed abilities. During teaching learning process Active participation of the students should be ensured. Preparation of list of activity lesson specific. Educational technology to facilitate pedagogical creativity, freedom to explore their creative side, use of audio- video teaching tools, learning outside the classroom, including hobbies, making groups and clubs for peer learning.

- **Strategies for Outcome Based Learning**

- To ensure that students are equipped with all the basic as well as first stage of advance knowledge, understanding and competencies required at this stage. Focuses on the performance but not on the performed activities. Think-learn -perform method shall be adopted.

- **Strategies for Self – Regulated Learning**

- Motivation for self-study, Group discussion and collaborative learning through group discussions. Students will be more motivated to self-regulate if they can see the relevance of what they are learning, students are oriented towards learning goals instead of performance goals.

- **Activities for Varied forms of Learner Engagement**

- online apps with quizzes, competitions, assessments, enrichment materials, and online communities for shared interests. By giving the students supplementary enrichment material and guidance and encouragement. Topic-centred and Project-based Clubs and Circles will be encouraged and supported at the levels of schools, school complexes, districts, and beyond. Examples include Science.

- **Framework/Types of Assessments**

- Diagnostic assessments, Continuous Evaluation- Assessment for Learning. Summative assessments. Formative assessment activities provide crucial information about what students understand and what they don't. Moreover, quick and continuous assessment activities can help learners in overcoming learning barriers by helping them enhance their personal performance.

- **Activities for conducting Multi – Disciplinary Learning**

- Research projects by connecting real life situations, critical and creative thinking using practical examples, combine math and biology with physics Connect science with chemistry, Using skills and concepts from different subjects.

- **Innovative Online Practices**

- Now a days so many eBooks, online quizzes based on any topic/subject, educational videos, O LAB, DIKSHA PORTAL, educational e- sites are available Using these all more & more practice can be done.

- **Strategies for overcoming learning gaps of the learners**

- Identification of learning areas, Emphasis on basic concepts, one to one approach, focus on learner centered approach as per the needs and interest, purposeful interaction and feedback, proper counselling of learner, and also interaction with their parents, motivating the learner.

**Academic plan for Secondary stage (for ages 16 to 18) in terms of NEP 2020/ class XI to XII**  
**(Commerce Stream) in existing system -**

● **Pedagogical Strategies**

- Offers insight into a teacher's beliefs about teaching and action in the class room.
- Mode of delivery of content – Why, What and How of one's teaching.
- This process must bring vivid portrait of, how a person intentional about teaching practice, that is committed to the career of learners.
- It visualizes the teacher for job application.
- Purpose and value of teaching philosophy extend beyond pragmatic and summative.
- It facilitates change and improvement to foster personal and professional growth.
- Incorporate the potential component like conceptualization of learning, Teaching, goals for students reflect the individual uniqueness.
- Teaching philosophy describes how beliefs about teaching are “Translated into action.”
- Conceptual learning should be focused on.
- Discovery and Investigatory based learning should be encouraged.
- Interaction and Introspective approaches of content delivery should be appreciated.
- To provide safe and fair class room atmosphere to celebrate their diversity.
- Education philosophy embodied within the framework of constructivism.
- Constructivism is a paradigm of learning.
- Provide freedom to express ideas of learner.

● **STRATEGIES FOR OUTCOME BASED LEARNING**

- Fix structural set up of Teaching.
- Decide teaching components.
- Theory (for understanding), practical (to develop skill)
- Seminars, symposiums and webinars conducted (to develop communication skill)
- Problems should be listed & sort out accordingly.
- Assignments (meaningful at higher Education)
- Projects and activities should be aerated (small, group)
- Slide show, videos and PDF outcomes should be encouraged.
- Instructional strategies should be applied for outcome-based learning.
- Designing and implementing outcome-based leaning.
- Planning for critical issues and answers.
- Full articles, figures, Data, citation, matrices and Revisions of references must be incorporated.
- Open Access, opportunities, help and information, keep up to date and help in solving the problems of learners.

● **Strategies for self, Regulated learning**

- To promote reflective dialogues.
- To provide corrective feedback.

- Help learners to make connection between abstract and concept.
- Help learners link with new experiences to prior learning.
- Methods and ways to encourage self-regulatory learnings.
- Significant dialogues, Quotations should be connected with the real-life situation.

## ● **ACTIVITIES FOR VARIED OF LEARNER ENGAGEMENT**

- Engagement activities are essential component of learning pedagogy. It helps to captivate class rooms.
- Connect learning to real world.
- Engagement with students creates interest among them.
- Help to fill dead time.
- Use full for group work and collaboration.
- Encourage students to present and share work regularly.
- Give our students a say....
- Get our students moving and live presence.
- Read the room.
- Adopt proper ways & means to promote engagement.

## ● **FRAMEWORK / TYPES OF ASSESSMENT**

- Meaningful and significant assessment need or demand in higher Education system of schooling.
- Sense of assessment or evaluation should be an important component of philosophy of teaching.
- We should discuss both formal and informal evaluation/ assessment methods such as: how to design tests, Quizzes etc.
- Why we assign the verity of question in activities.
- Writing on different boards should be neat and clear to understand & follow.
- Although, there is no single standardized correct approach, even after it reflects positive to all concerned person.
- It provides vivid insight into what we do in classroom and why.

## ● **ACTIVITIES FOR CONDUCTING MULTI DISCIPLINARY LEARNING**

MDL is the skill that have developed in the studies and other life experiences as well. Studying more than one subject, it helps to develop important transferable skills, which are continuing developing all stages of life.

Transferable & Skills gained through multi-disciplinary learnings. These skills are as follows:

- Critical thinking: help to compare and contrast concept across subject areas.
- Self-Management: Students gives priorities to which subject and why. They manage their study choice.
- Adaptability: Different subject may need to be viewed differently. It requires careful self-management to keep the subject favourable.
- Analysis and problem solving: written and verbal communications skills; range of different assessment methods-including attempting Application based question, Lab reports, written or oral-exams, Quizzes, contests, MCQs methods etc.
- Application of information technology: More use of ICT means more practice of display and presentation.
- Flexibility: Ability to adept different contexts and environments. Multi subjects' studies switching over one subject to another etc.
- Synthesis of ideas: Begin consolidate learning by corporating ideas in many prospective consider alternative way of acquiring knowledge. It enables own style of learning, motivation and personal interest. Example: Academic interest in accounts, business and economics.

## ● **INNOVATIVE ONLINE PRACTICE**

Online practice may be made as follows:

- Innovative ways of Teaching that help a teacher to engage students better.
- Set ethical learning process through well planned virtual session.
- Encourage self-regulated learnings.

## ● **STRATEGIES FOR OVERCOMING LERNING GAPS OF LEARNERS.**

- If the child is struggling in reading, understanding concept following in practical subject like accounts, Economics, provide more time practice may be allowed to fulfil the gap.
- Build relationship.
- Get student engage & excited.
- Provide multiple opportunity.

## Academic plan for Secondary stage (for ages 16 to 18) in terms of NEP 2020/ class XI to XII (Arts Stream) in existing system -

- **Pedagogical Strategies**

- Adaptive teaching, learning by doing, context-based learning, Experiential, holistic, integrated, inquiry oriented, learner-centred.

- **Strategies for Outcome Based Learning**

- Art Integrated learning, open ended problems, online video and audio tutorials, competency-based questions - paper pencil task, make and do task- worksheets and games for experiential learning.

- **Strategies for Self-regulated Learning**

- Guide learners' self-beliefs, goal setting, and expectations, promote reflective dialogue through group discussions etc, provide corrective feedback, use experiential learning activities, focus on application of knowledge in broader contexts.

- **Activities for Varied forms of Learner Engagement**

- Active learning opportunities, Inquiry-based learning, brainstorming, Cooperative learning, Connecting learning with real life examples.

- **Framework/Types of Assessments**

- Assessment of individual learning, Group based assessment, self-assessment and peer assessment.

- **Activities for conducting Multi – Disciplinary**

- Identification of area of interest/subjects. 2. Identification of complementary supplementary subjects 3. Minimum qualifying marks for compulsory subjects 4. Performance assessment should be based on weighted score for all subjects.

- **Innovative Online Practices**

- Online Quiz, use of Teaching-learning E-content, Educational You tube videos, optimising existing digital platforms.

- **Strategies for overcoming learning gaps of the learners**

- More and more tests should be conducted, recorded lessons can be provided, peer group discussion should be promoted.