



TAGORE INTERNATIONAL SCHOOL
VASANT VIHAR
CO- SCHOLASTIC SYLLABUS - CLASS IX
SESSION 2019-20

MONTH	PAINTING	WESTERN MUSIC	DANCE-KATHAK	INDIAN VOCAL MUSIC	THEATRE	PHYSICAL EDUCATION	COMPUTERS/ROBOTICS
Apr.-May	Sketching and daily journal What is Art? Fundamental Of Visual : Elements and Principles of Art in its application. Values: Harmony Balance Diversity Teamwork Content Theme: Diversity Visit to gallery \ Museum	Hello (Lionel Richie) Beautiful (Christina Aguilera) We are the World (MJ and Others 1985) Fly Me To The Moon Musical Theory and Introduction How to Read Sheet Music	Indian Classical Dance: *Introduction to "Lehra" *Introduction to advanced Hastaks and Chakkars *Teen Taal (Madhya laya) - Egun - Dugun - Chaugun *Tihaai :- Bhav ki tihaai Bedum Tihai Ginti Ki Tihai *Tora (one)	Vocal music- Alankar.	Why good speech is important <u>for the individual</u> , and how to acquire it. Why good speech is effective <u>for the group</u> , and how to approach it.	Game – Football Skill – Accurate passing	COMPUTERS : Introduction to Adobe Photoshop About Photoshop Concept of layers Importing images Working with Multiple Images, Adjusting Color, Resizing and cropping Working with basic selections tools, Photo Retouching with various tools, Introduction to filters Exporting Work Artificial Intelligence and its application <ul style="list-style-type: none"> • Why the buzz about AI • AI Application • Human-AI interaction Python (Programming Language) Introduction Concept of algorithm Concept of Flowcharts ROBOTICS:

							<p>What is a Robot Components of kits with their usage and technical names. Concept of STEM in robotics</p> <ul style="list-style-type: none"> • Fixing motors • Attaching LEN cable to computers for program download <p>Recognizing the inputs on CM100</p>
July	<p>Life And Works Of An Artist: Students research the life and work of an artist and speculate about his or her artistic intention in a given work.</p> <p>Values: Relation with nature. Value of Beauty and Truth. Philosophy of Beauty: Aesthetics</p>	<p>Lavender's Blue (Advance) This is our Song Music Theory –</p> <ol style="list-style-type: none"> 1. Articulations 2. Dynamics 3. Hand Coordination 4. Time Signature 5. Arpeggios 6. Note Value <p>Demonstration or Experiment through the Music or Song (Student's Choice)</p>	<p>> Discussion of the meaning of Paran and Introduction of Simple Ganesh Paran “ Gan Gan Ganapati sur muni Vande Budhi Vianayak Gajamuch chatur bhuj, Vighana Haran Shubh Karan Sahayak, (Dingetakt Thun Tak Tig dha Dig dig Thei)*3 (tig dha dig dig thei)*3”</p> <p>Introduction to Bharatnatyam dance of Tamil Nadu.</p>	Bhajan-Iti sakti hame dena data.	Focus: What it is, why it is important, and how to concentrate on a task;	Game – Cricket Skill - Fielding	<p>COMPUTERS : Artificial Intelligence</p> <ul style="list-style-type: none"> • A short history of AI • Future expectations <p>Python Recapitulation of Algorithm and Flowcharts Concept of variable in Programming</p> <p>Tinker CAD Introduction to Tinker CAD</p> <ul style="list-style-type: none"> • Getting started--- navigation and Menus • Introduction to primitive 3D shapes • Moving, Rotating & Scaling objects • Making and

							<p>manipulating grouped objects</p> <ul style="list-style-type: none"> Using the Align tools and Work plane Helper <p>ROBOTICS: The Energy that moves Robots</p> <ul style="list-style-type: none"> Moving motors Generating electricity from mechanical energy.
Aug.-Sep.	<p>Life and Works Of An Artist(Cont)</p> <p>Visit to Art Gallery/ museum</p>	<p>You raise me up (Chorale) Beautiful – Christina Aguilera</p> <p>Understanding Voice Harmonies, thirds & fifth</p> <p>Music Practical – Song to be performed by students and to be played on instrument as a Group</p>	<p>> Introduction of a Patriotic Song on “Sau Raginiyon se saja” Differences and Similarities in KAthak and Bharatnatyam dance.</p>	<p>Desh bhakti geet-Satyamav jayate.</p>	<p>Listening: Why it is important and how to acquire good listening skills.</p> <p>Observation: Why it is important and how to learn develop good observation skills.</p>	<p>Game – Volleyball</p> <p>Skill – Passing (2v2)</p>	<p>COMPUTERS : Exploration of AI:</p> <ul style="list-style-type: none"> Inspirational AI start-ups Pros and cons of AI <p>Three domains of AI:</p> <ul style="list-style-type: none"> Data, Natural Language Processing, Computer Vision <p>Python Introduction to Python Opening a new, existing file Creating a simple “Hello World” Program Saving a file Running a program The notion of data types</p> <p>MIT APP Inventor Introduction to MIT APP Inventor and basic tools</p>

							Designing Screen Exploring Interface Buttons, Image, Textbox Labels, Checkbox etc. ROBOTICS: Sound Spreads Using sound sensor on CM100
Oct.	Life and works of an artist from different schools Students research the life and work of an artist and speculate about his or her artistic intention in a given work. Values: Appreciation. Humanity. Relation with nature	Fix You - Coldplay and Break Away – Kelly Clarkson/ The Prayer – Celine Dion	>Introduction of a Folk Dance of Rajasthan KALBELIA on the famous lyrics of “Kalyo Khud Padho mela mein” Famous Dancers of Kathak and Bharatnatyam Video presentation.	Tagore song-Hwaha bohey jor.	Problem solving: Learning to analyse and synthesize. Understanding success and failure and the value of both.	Game – T.T Skill - Forehand drive	COMPUTERS : Artificial Intelligence Concept of IoT and AI Smart cities/ homes/ schools Python Introduction to Arithmetic Operators Define variables, assign values and perform addition MIT APP Inventor Introduction to concept of Speech Text Recognition Introduction to Timer ROBOTICS: Motors and IR Sensors Finishing the projects in hand for the display
Nov.	Life and works of an artist from different schools (Cont.)	Chorale - Fly Me to the Moon with Music (played by students)	>Introduction of Thumri and its relevance in Kathak > Thumri “Kahe Chedh Chedh Mohe”	Folk song-Assamese song-Bohago te aahibi.	Communication: Developing good vocal skills, expression and body language.	Athletic Event - 100m	COMPUTERS : Artificial Intelligence Concept of Natural Learning Processing: Speech generation Concept of Computer Vision:

			The same thgumri will in Bharatnayam dance form.				Object /Face recognition Python Conditional statements Create the simple Calculator using if condition MIT APP Inventor Procedures, variables, Introduction to Animation Components, Introduction to Drawing components ROBOTICS: Law of Inertia and making robots on this principle
Dec.	Life and works of an artist from different school (Cont) Visit to gallery/ Museum	Christmas Traditional – Joy to the World and Christmas Jingles (Instrumental) How to Improvise on any Music or Song by their Chord Progressions (Student’s Choice)	>Introduction of a Bedam Concepts in Kathak >Application Of the same with the help of a Bedam Tiahi “[ta thei thei tat Aa thei thei tat 1-2-3 ta thei thei tat Aa thei thei tat 1-2-3-4-5 ta thei thei tat Aa thei thei tat 1-2-3-4-5-6-7]*3”	Raag-aahir bhirav-Albela sajan.	Collaboration: Developing effective team work, leadership, and decision making.	Game – Basketball Skill - Advance dribbling	COMPUTERS : Artificial Intelligence Concept of Deep Learning: Human Brain & Nervous system Artificial Neural Network Python Looping statements Create program to print table of a number MIT APP Inventor Introduction to social Components : Contact picker, Email Picker, Texting, Twitter Phone Call ROBOTICS: Understanding

							acceleration
Jan.-Feb.	Life and works of an artist : Indian Artists	Practice and Revision of the, Dynamics, Articulations & Techniques of playing music and songs learned throughout the session.	>Introduction of a Kavitt of Lord Shiva "Dimak Dimak Dim Damru baje, Giri Kelash,Shikhar par raje, uma rama sang sab dev nache, (dinge tak thunge tak tigdha dig dig thei)*3	Vandana-Saraswati vandana.	Self-Discipline: Learning responsibility by setting goals, participating, being punctual, showing initiative in drama projects. Presentation: Learning how to present oneself effectively in drama projects.	Game – Football Skill – Ball control	COMPUTERS : Artificial Intelligence AI and Ethics: Bias: in data collection Bias: in access Bright future in AI: Opportunities in AI Education and skill set of AI practitioner AI and Sustainable Development Goals: What are SDG's AI for human happiness Responsible citizenship Python Create a program to take the Height & Weight as input from user and calculate the BMI of the user MIT APP Inventor Introduction to Sensor Components : Accelerometer Sensor Barcode Scanner Clock Location Sensor Proximity Sensor ROBOTICS: Conserving Energy

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