



GOLDEN GATE GLOBAL SCHOOL

CLASS –XI Science ANNUAL SYLLABUS (2025-26)

Subject	Syllabus	Practical Syllabus
English	Hornbill –ALL THE POEMS AND LESSONS Snapshot –ALL THE LESSONS Reading Comprehension, Note Making Writing – Posters, Advertisements, Speech and Debate Grammar- Integrated Exercises (gap filling , jumbled words , transformation of sentences)	ASL
Physics	Unit & Measurement Motion in 1D & 2D Laws of Motion Work, Energy & Power System of Particle & Rotational Motion Gravitation Mechanical Properties of Solid Mechanical Properties of Fluid Thermal Properties of Matter Thermodynamics Oscillation	<ol style="list-style-type: none"> 1. To measure diameter of a small spherical/cylindrical body and to measure internal diameter and depth of a given beaker/calorimeter using Vernier Calipers and hence find its volume. 2. To measure diameter of a given wire and thickness of a given sheet using screw gauge. 3. To determine volume of an irregular lamina using screw gauge. 4. To determine radius of curvature of a given spherical surface by a spherometer. 5. To determine the mass of two different objects using a beam balance. 6. To find the weight of a given body using parallelogram law of vectors. 7. Using a simple pendulum, plot its graph and use it to find the effective length of second's pendulum. 8. To study variation of time period of a simple pendulum of a given length by taking bobs of same size but different masses and interpret the result.
Chemistry	Mole concept Structure of Atom Chemical bonding and molecular structure Thermodynamics Redox reaction GOC Periodic Table	<ol style="list-style-type: none"> 1. Salt analysis group 0 to III 2. To prepared the standard solution of oxalic acid 3. Volumetric analysis
Mathematics	Sets Relations and Function Trigonometric Function Complex Numbers Linear Inequalities Permutation and Combination Binomial Theorem Straight line Conic section Introduction to 3 D	Viva : Formula's of all chapters in annual syllabus

	Limits and Derivatives Probability	
Biology	Unit -1 Biological Classification Plant Kingdom Animal kingdom Unit -2 Morphology of flowering plant Anatomy of flowering plant Structural organization in plants Unit- -3 Cell Biomolecules Cell cycle Unit -4 Photosynthesis in higher plants Respiration in plants Plant Growth and development Unit -5 Breathing and exchange of gases Body fluids and circulation Excretory system Locomotion Neural Control and coordination	<ol style="list-style-type: none"> 1. To compare rate of transpiration from upper and lower surface of the leaf. 2. To study various stages of mitosis in onion root tip cell from permanent slides. 3. To study various stages of mitosis in animal cell from permanent slides. 4. Study and identification of human bones & joints. <p>NOTE: Students are required to bring Theory Notebook, Practical Notebook, investigatory project and Stationery.</p>
Computer Science	Unit-II Computational Thinking and Programming I Chapter-6 Python Fundamentals Chapter-7 Data Handling Chapter-8 Flow of Control Chapter-9 String Manipulation Chapter-10 List Manipulation Chapter-11 Tuples Chapter-12 Dictionaries Unit-III Cyber Ethics Chapter-13 Cyber Safety Chapter-14 Online Access and Computer Security Chapter-15 Society, Law and Ethics	Total- 30 Marks Viva- 10 Marks Practical Topics- 20 Marks <ul style="list-style-type: none"> • Practical sessions in the lab will be organized on String Manipulation to explore text processing and string functions. • Practical exercises in the lab will be undertaken on List Manipulation to work with dynamic data structures and list operations. • Practical sessions in the lab will be organized on Tuples to understand immutable sequences and their applications in Python. • Practical sessions in the lab will be organized on String Manipulation to explore text processing and string functions. • Practical exercises in the lab will be undertaken on List Manipulation to work with dynamic data structures and list operations. • Practical sessions in the lab will be organized on Tuples to understand immutable sequences and their applications in Python.
Physical Education	Chapter 1- Changing Trends & Career in Physical Education Chapter 2- Olympism Value Education Chapter 3- Yoga	* Physical Education Fitness Test* <ul style="list-style-type: none"> <input checked="" type="checkbox"/> 1. 50 Metre Sprint Test <input checked="" type="checkbox"/> 2. 600 Metre Run Test <input checked="" type="checkbox"/> 3. Shuttle Run

	<p>Chapter 4- Physical Education and Sports For Children with Special needs Chapter 5- Physical Fitness , Wellness and Life Style Chapter 6- Test , Measurement and Evaluation Chapter 7- Fundamental of Anatomy, Physiology in Sports Chapter 8- Fundamental of Kinesiology and Biomechanics in Sports Chapter 9- Psychology and Sports Chapter 10- Training & Doping in Sports</p>	<ul style="list-style-type: none"> ✓ 4. Modified Push-Ups For Girls ✓ 5. Push-Ups (for boys) ✓ 6. Partial Curl up ✓ 7. Yoga-Sun-Salutation <p>MANDATORY</p> <ul style="list-style-type: none"> • Sitting Asana -05 • Standing Asana-05 • Lying Asana-05 • NO RELAXING ASANA <ul style="list-style-type: none"> ✓ 8. Viva-Voce - (Full Syllabus)
<p>YOGA</p>	<p>UNIT 1- Introduction to Yoga & Yogic Practices UNIT 2- Introduction to Yoga Text UNIT 3- Yoga for Health Promotion</p>	<ul style="list-style-type: none"> ✓ 1. Yogic Sukshma Vyayama ✓ 2. Asanas (with position-wise classification) <ul style="list-style-type: none"> (a) Standing Asana-10 (b) Sitting Asanas-10 (c) Supine Asanas-05 (d) Prone Asanas-05 <p>NO RELAXING ASANA</p> <ul style="list-style-type: none"> ✓ 3. Pranayama (Breathing Techniques) ✓ 4. Meditation / Dhyan ✓ 5 Mantra chanting ✓ 6 Om chanting <ul style="list-style-type: none"> • Learn Sanskrit + English names of Asanas. • Know benefits, precautions, and steps of each Asana. <p>Carry mat during practical.</p>
<p>Home Science</p>	<ul style="list-style-type: none"> • Evolution of the Discipline of Home Science • Understanding The Self What Makes Me 'I'? • Influences on Identity Formation- Biological and Physical Changes • Influences on Identity Formation-Socio Cultural Context • Influences on Identity Formation- Emotional Changes • Influences on Identity Formation- Cognitive Changes • Food, Nutrition, Health and Fitness • Adolescence • Management of Resources • Fabric Around Us • Health, Nutrition and Hygiene 	<ul style="list-style-type: none"> 1. Prepare one dish for an adolescent 2. Calculate BMI 3. Points of agreement and disagreement with 2 family members

	<ul style="list-style-type: none"> •Childhood Survival, Growth and Development •Nutrition, Health and Well Being •Clothing Functions and Selection of Clothes •Understanding Children's Clothing Needs •Health And Wellness •Infancy •Early Childhood 	
Hindustani Vocal Music	<p>Chapter 3 – Natya Shastra and musical elements in natya Shastra and Brihaddeshi</p> <p>Chapter 4 - Vocal and Instrumental style of Hindustani Music</p> <p>Chapter 5 - Raag Bhimpalari</p> <p>Chapter 8 - Instrumental Classification in Indian Music</p> <p>Chapter 9 - Rhythm Study of difficult Locks</p> <p>Chapter 10 –Major Houses</p>	<p>Raag Bimpalasi</p> <p>Aroh, Avroh, Pakad, Chhota Khayal</p> <p>Teentaal And Dadra Apply On Hand</p> <p>Ikgun , Dugun, Tigun, Chaugun</p>
Painting	<p>Ch-1 Prehistoric Rock Painting</p> <p>Ch-2 Arts of the Indus Valley</p> <p>Ch-3 Arts of the Mauryan Period</p> <p>Ch-4 Post Mauryan Trends in Indian Art and Architecture</p> <p>Ch-5 Later Mural Traditions</p> <p>Ch-6 Temple Architecture and Sculpture</p> <p>Ch-7 Indian Bronze Sculpture</p>	<p>STILL LIFE [water colours]</p>

GGGS.. because you deserve the best!!