



G.D. GOENKA INTERNATIONAL SCHOOL

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TERM WISE SYLLABUS BREAKUP

SESSION 2024-2025

GRADE – XII (SCIENCE)

ENGLISH

TERM I	TERM II
<p>Reading: Comprehension</p> <p>Writing Skills:</p> <ul style="list-style-type: none">● Invitations (Formal)● Notice● Letter : To the Editor● Job Application● Article● Report Writing <p>Flamingo: Prose:</p> <ul style="list-style-type: none">● Ln 1 -The Last Lesson● Ln 2 - Lost spring● Ln 3 - Deep Water● Ln 4 - The Rattrap● Ln 5 - Indigo <p>Poetry:</p> <ul style="list-style-type: none">● P 1 - My Mother At Sixty-six● P 3 - Keeping Quiet● P 4 - A Thing of Beauty <p>Vistas:</p> <ul style="list-style-type: none">● Ln 1 - The Third Level● Ln 2 - The Tiger King● Ln 3 - Journey to the End of the Earth	<p>Reading Section : Comprehension</p> <p>Writing Skills:</p> <ul style="list-style-type: none">● Short Skills : Notice , Invitations replies to Invitations● Official Letters● Report Writing● Articles <p>Flamingo: Prose</p> <ul style="list-style-type: none">● Ln 6 - Poets and Pancakes● Ln 7 - The Interview● Ln 8 - Going Places <p>Poetry:</p> <ul style="list-style-type: none">● P 5 - A Roadside Stand● P 6 - Aunt Jennifer's Tigers <p>Vistas:</p> <ul style="list-style-type: none">● Ln 4 - The Enemy● Ln 6 - On the Face of it● Ln 8 - Memories of Childhood

PHYSICS

TERM I	TERM II
<ul style="list-style-type: none">● Ch 1- Electric Charges and Fields● Ch 2- Electrostatic Potential and Capacitance● Ch 3- Current Electricity● Ch 4- Moving Charges and Magnetism● Ch 5- Magnetism and Matter● Ch 6- Electromagnetic Induction	<ul style="list-style-type: none">● Ch10 - Wave Optics● Ch 8 - Electromagnetic Waves● Ch 9- Ray Optics and Optical Instruments● Ch 11- Dual Nature of Radiation and Matter● Ch 12-Atoms● Ch 13- Nuclei● Ch 14-Semiconductor Electronics

<ul style="list-style-type: none"> ● Ch 7- Alternating Current <p>Practical Practicals will be conducted during the term as per the CBSE syllabus.</p>	<p>Practical Practicals will be conducted during the term as per the CBSE syllabus.</p>
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CHEMISTRY

TERM I	TERM II
<ul style="list-style-type: none"> ● Unit 6: Haloalkanes and Haloarenes ● Unit 7: Alcohol, Phenol and ethers ● Unit 8: Aldehyde Ketone and carboxylic acids. ● Unit 9: Amines <p>Practical Practicals will be conducted during the term as per the CBSE syllabus.</p>	<ul style="list-style-type: none"> ● Unit 1: Solutions ● Unit 2: Electrochemistry ● Unit 3: Chemical Kinetics ● Unit 4: d and f block elements ● Unit 5: Coordination Compounds ● Unit 10: Biomolecules <p>Practical Practicals will be conducted during the term as per the CBSE syllabus.</p>

MATHS

TERM I	TERM II
<ul style="list-style-type: none"> ● Ch 1 - Relation And functions ● Ch 2 - Inverse Trigonometric functions ● Ch 3 - Matrices ● Ch 4 - Determinants ● Ch 5 - Continuity and Differentiation ● Ch 6 - Applications of the derivatives ● Ch 7 - Integration (Definite and Indefinite) ● Ch 8 - Application of integrals 	<ul style="list-style-type: none"> ● Ch 9 - Differential equation ● Ch 10 - Vectors ● Ch 11 - Three-dimensional Geometry ● Ch 12 - Linear Programming ● Ch 13 - Probability

BIOLOGY

TERM I	TERM II
<ul style="list-style-type: none"> ● Ch 2- Sexual reproduction in flowering Plants ● Ch 3- Human reproduction. ● Ch 4-Reproductive health ● Ch 5- Principles of Inheritance and variation. ● Ch 6-Molecular Basis of Inheritance. ● Ch 7- Evolution. <p>Practical Practicals will be conducted during the term as per the CBSE syllabus.</p>	<ul style="list-style-type: none"> ● Ch 8- Human Health & Disease. ● Ch 10- Microbes in Human Welfare ● Ch 11- Biotechnology : Principles & Processes ● Ch 12 - Biotechnology and its applications ● Ch 13 - Organism and Population Practical ● Ch 14 - Ecosystem. ● Ch 15 - Biodiversity & Conservation <p>Practical Practicals will be conducted during the term as per the CBSE syllabus.</p>

PHYSICAL EDUCATION

TERM I	TERM II
<ul style="list-style-type: none"> ● Unit -1 Management of Sporting Events. ● Unit- 2 Children and Women in Sports ● Unit - 4 Physical Education and sports for CWSN ● Unit- 5 Sports and Nutrition ● Unit -7 Physiology and injuries in Sports ● Unit- 8 Biomechanics Camp; Sports <p>Project work Practicals will be conducted during the term as per the CBSE syllabus</p>	<ul style="list-style-type: none"> ● Unit 3 Yoga as Preventive measure for Lifestyle Disease ● Unit 6 Test & Measurement in Sports ● Unit 9 Psychology & Sports. ● Unit 10 Training in sports. <p>Project work Practicals will be conducted during the term as per the CBSE syllabus</p>

INFORMATICS PRACTICES

TERM I	TERM II
<ul style="list-style-type: none">● Unit- 4 Societal Impacts● Unit -2 Database Query Using SQL <p>Project: Based on SQL Queries</p>	<ul style="list-style-type: none">● Unit – 3 Introduction to Computer Network● Unit- 4 Data Handling using pandas and data visualization <p>Project: Programs Based on Pandas and Matplotlib</p>