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## TG POLYCET 2025 Syllabus with Subjects

TG POLYCET syllabus 2025 comprises topics from Physics, Chemistry, Mathematics and Biology of Board of Secondary Education, Telangana State.

### TG POLYCET 2025 Syllabus for Physics

Chemical Bonding	Structure of Atom
Heat	Carbon & its Compounds
Magnetic Effects of Electric Current	Classification of Elements
Acids, Bases & Salts	Chemical Equations & Reactions
Refraction of Light at Curved Surface	Refraction of Light at Plane Surface
Electricity	Human Eye & Colorful World
Reflection of Light	Metallurgy

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## TG POLYCET 2025 Syllabus for Chemistry

Surface Chemistry	The States of Matter
Redox Reactions	Electrochemistry
Nuclear Chemistry	Polymers
Phase Equilibria & Solutions	Chemical and Ionic Equilibrium
Basic Concepts in Organic Chemistry & Stereochemistry	Chemical Thermodynamics
Chemical Kinetics	Organic Compounds (Nitrogen Functional Group)
Chemistry in Everyday Life	Atomic Structure
Qualitative & Quantitative Analysis and Purification of Organic Compounds	Urea and Malonic Ester
Organic Compounds (Oxygen Functional Group)	Preparation, Properties and Reactions of Alkanes, Alkenes and Alkynes
Organic Compounds (Halogen Functional Group)	Reactions of Benzene & Heterocyclic Compounds
Spectroscopy Measurements Including UV, IR, NMR (Proton and Carbon 13)	Biomolecules – Carbohydrates, Protein, Vitamins, Nucleic Acid, Lipids, Hormones Reactions of $\alpha$ , $\beta$ unsaturated carbonyl and acids
Environmental Chemistry	

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## TG POLYCET 2025 Syllabus for Mathematics

Number System	Real Numbers
Polynomials	Sets
Progressions	Algebra
Linear Equations	Quadratic Equations
Coordinate Geometry	Geometry
Trigonometry	Surface Areas & Volumes
Probability	Mensuration
Mathematical Modeling	Statistics

## TG POLYCET 2025 Syllabus for Biology

Respiration	Nutrition
Transportation	Excretion
Control and Coordination	Coordination in Life Processes
Heredity	Our Environment
Natural Resources	Reproduction

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