

TnpSC Group 1 & 2 Prelims Science Syllabus & Books

When Comparing Group 1 & 2 Prelims Syllabus, Science Syllabus is Same. Science Syllabus is given Below.

UNIT – I: General Science

Physics - Universe - General Scientific laws - Scientific instruments - Inventions and discoveries - National scientific laboratories - Science glossary-Mechanics and properties of matter-Physical quantities, standards and units-Force, motion and energy- electricity and Magnetism - electronics & communications - Heat, light and sound-Atomic and nuclear physics-Solid State Physics-Spectroscopy – Geophysics - Astronomy and space science.

Chemistry - Elements and Compounds-Acids, bases and salts - Oxidation and reduction – Chemistry of ores and metals -Carbon, nitrogen and their compounds-Fertilizers, pesticides, insecticides-Biochemistry and biotechnology-Electrochemistry-Polymers and plastics.

Botany - Main Concepts of life science-The cell-basic unit of life-Classification of living organism-Nutrition and dietetics-Respiration-Excretion of metabolic waste-Bio-communication.

Zoology - Blood and blood circulation-Endocrine system-Reproductive system-Genetics the science of heredity-Environment, ecology, health and hygiene, Bio-diversity and its conservation-Human diseases, prevention and remedies-Communicable diseases and non- communicable diseases-Alcoholism and drug abuse-Animals, plants and human life.

TnpSC Group 1 Syllabus – [Click here](#)

TnpSC Group 2 Syllabus – [Click here](#)

TnpSC Group 2 Mains Exam Pattern – [Click here](#)

Physics – Samacheer Kalvi Book Lessons

Std 6 – Measurement and Motion

Std 6 – Types of Energy

Std 6 – Magnetism

Std 6 – Light

Std 7 – Measurement

Std 7 – Motion

Std 7 – Electricity
Std 7 – Heat and Light
Std 8 – Measurements
Std 8 – Force and Pressure
Std 8 – Electricity and Heat
Std 8 – Light and Sound
Std 8 – Atomic Structure
Std 9 - Liquids
Std 9 – Measurements and measuring instruments
Std 9 – Motion
Std 9 – Work, power and energy
Std 9 – Sound
Std 9 – Heat and Gas laws
Std 9 – Atomic Structure
Std 10 – Measuring instruments
Std 10 – Laws of Motion and Gravitation
Std 10 – Electricity and Energy
Std 10 – Magnetic effect of electric current and light

Chemistry Samacheer Kalvi Book lessons

Std 6 – Chemistry in Daily life
Std 6 – Separation of Substances
Std 6 – Changes around us
Std 7 – Matter in our surroundings
Std 7 – Matter and its nature
Std 7 – Combustion and Flame
Std 8 – Elements and Compounds around us
Std 8 – Coal and Petroleum
Std 9 – Is matter around us pure?
Std 9 – Periodic Classifications of elements
Std 9 – Chemical equation
Std 10 – Carbon and its compounds
Std 10 – Solutions
Std 10 – Chemical Reactions

Botany Samacheer Kalvi Book lessons

Std 6 – Diversity of Organisms
Std 6 – Cell Structure

Std 7 – Animals in daily life
Std 7 – Plant Morphology
Std 7 – Basis of Classification
Std 7 – Nutrition in Plants and Animals
Std 7 – Respiration in Plants and Animals
Std 8 – Crop production and management
Std 8 – Pictorial feature of Plant Kingdom
Std 8 – Microorganisms
Std 9 – Animal Kingdom
Std 9 – Structure and physiological functions of plants
Std 9 – Cells
Std 10 – Life Processes

Zoology Samacheer Kalvi Book lessons

Std 6 – Our Environment
Std 6 – The World of Plants
Std 6 – Food Habits
Std 7 – Eco System
Std 7 – Water a precious resource
Std 7 – Human body form and function
Std 8 – Air, Water and Soil Pollution
Std 8 – Diversity in Living organisms
Std 8 – Conservation of Plants and Animals
Std 8 – Reaching the age of Adolescence
Std 9 – Bio Geo Chemical cycle
Std 9 – Pollution and ozone depletion
Std 9 – Improvement in food resources
Std 9 – Addiction and Healthy lifestyle
Std 9 – Human Body organ system
Std 10 – Structure and Functions of Human Body Organ System
Std 10 – Reproduction in plants
Std 10 – A representative study of mammals
Std 10 – Conservation of Environment
Std 10 – Waste water management
Std 10 – Immune system
Std 10 – Hereditary and Evolution

For 11th & 12th Std, Refer & Study Only Syllabus Topics – No need to Study All lessons

Book Lists for Science

- 1] 6th to 10th Above Mentioned Samacheer Book Lessons + 11th & 12th Syllabus Topics [Mainly Applied Science Topics]
- 2] Science & Technology In India - Spectrum Books Pvt Ltd.
- 3] Developments In Science And Technology - Spectrum Books Pvt Ltd.
- 4] NCERT (6th to 12th Books)
- 5] Medical Entrance Exam Question Banks – [Physics, Chemistry & Biology]

