

L_1 _General_Education

1. COMMUNICATION SKILLS

Details What is Communication?	Method/ language	Thrust	Activities
<ul style="list-style-type: none"> • Definition and Aims of Communication. • Elements and Process of Communication. • Barriers to Communication and Solutions. • Talking to strangers–Initiating & Connecting. • Communication Styles–formal, informal. • Communication process – <ul style="list-style-type: none"> ▪ Process loop. ▪ Purpose and objective of communication. ▪ Evolution of the communication process. 	Medium of language – combination of regional language, Hindi and English	<ol style="list-style-type: none"> 1. Comfort level 2. Rules of social communication 3. Encouraging student to talk and express freely 	<ul style="list-style-type: none"> ✓ Ice breaking sessions ✓ Role play ✓ Viewing video clips ✓ observation and analysis ✓ Understanding process ✓ Chart making ✓ Presentations ✓ Debates ✓ Interpretation of data after reading or listening

2. BASIC SCIENCES

Unit	Details
Light	Light, Propagation of light, reflection, refraction.
Sound	Propagation of sound, loudness and pitch, audible and in-audible sounds, noise and music, noise pollution.
Electricity	Conductor, Non – Conductors, Current, Voltage and Resistance, Ohm’s Law.
Heat	Heat and Temperature, Measurement of temperature, Thermometers, Transformation of Heat, conduction, convection, radiation, Expansion.
Natural Resources	Forms of water, clouds, rains, water cycle, water management, composition of air, atmosphere, winds, storms and cyclones, Pollution of Air, Water.
Our Universe	Earth, Moon, Stars, constellations, planets, solar system.
Basic concepts of Chemistry	Elements, compounds, atoms, Physical and chemical changes, Metals and non metals.