

D.EL.ED Sem - I
paper (tenth) Environmental
Studies-2

General Science –Content
&Methodology
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Unit 1 : SCIENCE

Nature of Science

- Nature of science is a term that refers the various topics of sociology ,philosophy and history of sciences.

- In general the nature of science refers to key principles and ideas which provide a description of science as a way of knowing as well as characteristics of scientific knowledge.
- Science is a process of producing knowledge.
- Science is a systematic knowledge.
- Study of natural world based on facts learned through experiments and observation.

- Science is a systematic enterprise that builds and organizes knowledge in the form of testable explanations and prediction about the universe.
- Science is more a verb than it is a noun.
- Science is purely objective in nature.
- Like mathematics science also has its language its language includes terms, concepts,

formulae theories , principles and signs and symbols.

- Knowledge based on sense organs is called science.
- Knowledge based on sense organs in science.
- Knowledge in this is definite so we can believe it.
- Knowledge in science is systematic ,well arranged, Logical and more clearer.
- Its study develops inductive , deductive, generalizations ability.

- It develops self-confidence, discipline and self-reliance.
- It develops positive , logical and scientific attitude in children.

Science is a process as well as product

- Process is dynamic aspect of science and product is static aspect.
- Dynamic aspect is known as soul and static aspect can be said as a body.

- In dynamic aspect of science scientific mindedness, scientific attitude and scientific method are placed on main position.
- Law, principle ,theory are product of science