Science

“The investigation of natural phenomena through observation, theoretical explanation, and experimentation, or the knowledge produced by such investigation. Science makes use of the scientific method, which includes the careful observation of natural phenomena, the formulation of a hypothesis, the conducting of one or more experiments to test the hypothesis, and the drawing of a conclusion that confirms or modifies the hypothesis.”

– The American Heritage® Science Dictionary
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Hypothesis

(Plural: Hypotheses)

“A statement that explains or makes generalizations about a set of facts or principles, usually forming a basis for possible experiments to confirm its viability.”

– The American Heritage® Science Dictionary
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Scientific Method

“The principles and empirical processes of discovery and demonstration considered characteristic of or necessary for scientific investigation, generally involving the observation of phenomena, the formulation of a hypothesis concerning the phenomena, experimentation to demonstrate the truth or falseness of the hypothesis, and a conclusion that validates or modifies the hypothesis.”

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Engineering

“The application of science to practical uses such as the design of structures, machines, and systems.”

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