

## Foundations of Science

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### Reasoning, Philosophy of Science, Ethics and History

Science as method stands on a foundation of several pillars, the idea of reasoning and logic, research ethics, the philosophy of science and the history of science.



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## Overview



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### Reasoning and Logic [1]

Deduction, Induction, Hypothetico-Deductive Method, Falsifiability



[2]

### Philosophy of Science [2]

The assumptions, foundations and implications of science



### Research Ethics [3]

Ethical considerations you as a scientist must do

[3]



### History of Science [4]

The origin of research. Ancient and modern history of science.

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