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## 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.



**EXPLORABLE**  
*Quiz Time!*



**Quiz:**  
Psychology 101 Part 2



**Quiz:**  
Psychology 101 Part 2



**Quiz:**  
Flags in Europe

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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.

[4]

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#### **Links**

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[2] <https://explorable.com/philosophy-of-science>

[3] <https://explorable.com/ethics-in-research>

[4] <https://explorable.com/history-of-science>