



Pike County Schools

Scientific Method

Right click hyperlinks to open in a new tab.

Definition/Purpose

The scientific method is a series of steps followed by scientific investigators to answer specific questions about the natural world. It involves making observations, formulating a hypothesis, and conducting scientific experiments. Scientific inquiry starts with an observation followed by the formulation of a question about what has been observed.

From: [ThoughtCo](#)

Resources and Tools

- Instantly add meaningful lab experiences to math and science classrooms for exactly \$0? It's tough to beat that. <https://phet.colorado.edu/>
- Record, organize, and explain observations from everyday experiences with your iOS mobile device (free; grades 3-8): <https://www.commonsense.org/education/app/zydeco-inquiry>
- Turn your phone into a lab sensor to collect and analyze data (free; grades 6-12): <https://www.commonsense.org/education/app/arduino-science-journal>
- Science project "[Topic Selection Wizard](#)"

Examples

Middle school students get to design and test solutions to actual safety problems (complete with teacher guide and investigators notebook): <https://ulxplorlabs.org/>

[Scientific method](#) for little ones (with examples)

