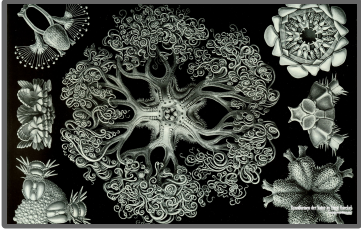


What is science anyway?

method, knowledge, attitude



George Matthews, Plymouth State University

2020

the scientific method

the scientific method

- Make lots of careful observations.

the scientific method

- Make lots of careful observations.
- Look for apparent patterns in the observations.

the scientific method

- Make lots of careful observations.
- Look for apparent patterns in the observations.
- Take a guess at an explanation for those patterns.

the scientific method

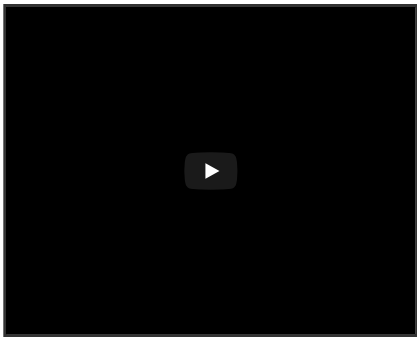
- Make lots of careful observations.
- Look for apparent patterns in the observations.
- Take a guess at an explanation for those patterns.
- Deduce consequences of your explanations.

the scientific method

- Make lots of careful observations.
- Look for apparent patterns in the observations.
- Take a guess at an explanation for those patterns.
- Deduce consequences of your explanations.
- Test to see if those appear.

the scientific method

- Make lots of careful observations.
- Look for apparent patterns in the observations.
- Take a guess at an explanation for those patterns.
- Deduce consequences of your explanations.
- Test to see if those appear.
- Repeat with more observations, other explanations, new consequences, adjusting as consequences fail to appear.



find out more

*Credits**Built with:*

Rstudio

xarignan [html presentation framework](#)

Photos by:

WikiImages at Pixabay.

[download this presentation](#) or print it

editorial suggestions and comments: [requires a \(free\) GitHub account](#).