

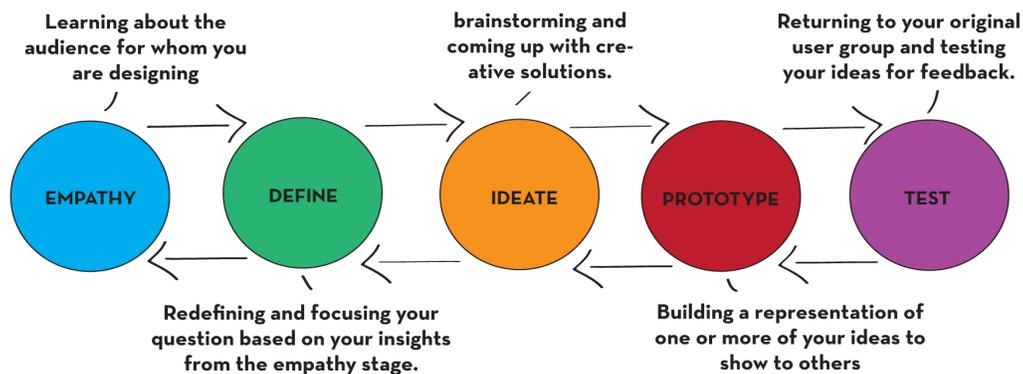
Hygiene Elementary Annual STEAM Fair Jan. 24th and 25th

What is a STEAM Fair?

Think Scientific Method and the Design Thinking Process, you choose which method you prefer and go from there!

1. What is Design Thinking?

The Design Thinking Process is used to solve a real-world problems. It is a human centered approach to problem solving.



Can you invent a better playground?
Would you like to design a new toy?
Can you design something to help a friend?
How about designing something that helps our environment.
Can you design a new way to travel?
Life would be easier if...?
You can take a product and improve it.
Would you like to design a new instrument?

Think about who or what you are designing for. Remember it's okay to make mistakes or even fail, that's how we learn. (Thomas Edison went through thousands of iterations of the light bulb. In fact, he failed over 10,000 times trying to invent a commercially-viable electric bulb!)

Design thinking is the creation of an invention (you will create a model of your invention) and NOT an experiment.

You will present your invention and explain your process and how your invention works.

Website for more information:

<http://www.whatisdesignthinking.org/>

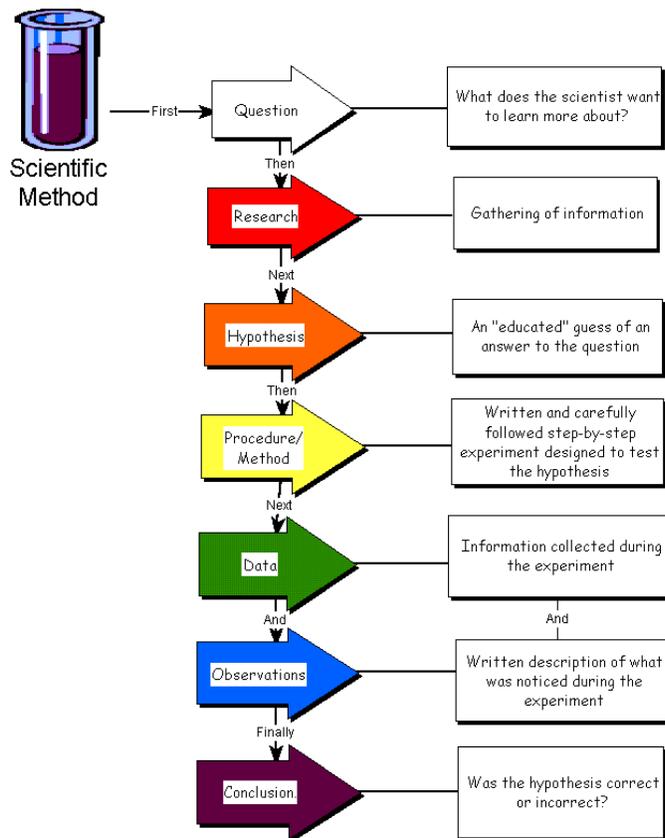
Questions? Email Sara Morison sara_morison@yahoo.com

2. What is the Scientific Method?

The scientific method is defined as a method of research in which a problem is identified, relevant data is gathered, a hypothesis is formulated from this data, and the hypothesis is empirically tested.

What in the world does that mean?!?

The scientific method is a way for scientists to study and learn things. It doesn't matter what the scientist is trying to learn, using the scientific method can help them come up with an answer.



By going through this process, scientists have a way to verify their guesses and to double check each other. Another scientist can take a look at your tests and add some more tests and continue to refine your answer to the question.

Start by thinking about something that interests YOU!

How do arctic animals stay warm in icy water?

Why does the moon have craters?

What is the science behind slime?

How far can a catapult throw a heavy and a light object?

The possibilities are endless!

More ideas: <http://www.sciencekids.co.nz/projects/thescientificmethod.html>

HYGIENE ELEMENTARY ANNUAL STEAM FAIR ENTRY FORM

Presenter: _____ Teacher: _____ Grade: _____

Co-Presenter (if applicable): _____ Teacher: _____ Grade: _____

Title of Presentation: _____

Are you using the SCIENTIFIC METHOD? _____ or DESIGN THINKING PROCESS? _____

Do you need electricity? Yes _____ No _____

Do you need extra space for your presentation? Yes _____ No _____

RETURN THIS FORM BEFORE JANUARY 11th, 2019

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Presenter(s) _____

Presentation Grade(s) _____

Presentation Table _____ Table Location _____

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