

WHAT'S A STEM PROJECT?

STEM Workshop

Ideation

It can be hard to think of an idea for a STEM project when you're starting from scratch. This worksheet has tips, activities and resources to help you come up with a great STEM project. Fill in the blanks using a random word generator to spark some ideas, or think of some topics you're interested in.

What is the connection between _____ and _____?

How do(es) _____ affect _____?

If I change _____, what happens to _____?

Do _____ have different _____?

What is the effect of _____ on _____?

How much _____ is required to _____?

Tips & Tricks for Ideation:

1. Write down your ideas. All of them. The more you write down, the more creative they'll get.
2. Don't think about how you'll do it. Now is the time to be creative, not practical.
3. Talk to people. Maybe you'll get an idea from them.
4. Make sure you like your topic! You won't have fun if you don't like what you're doing.

Name something you want to learn more about.

What are 3 things you don't know or understand about it?

What are 3 questions you have about your topic?

Resources:

Random Word Generators:

<https://puzzlefry.com/pictionary/Easy/category/Science/?teams=2>

<https://randomwordgenerator.com/noun.php>

Topic Selection Wizard:

<https://www.sciencebuddies.org/science-fair-projects/topic-selection-wizard/background-info>