

THE SCIENTIFIC METHOD

Let's learn about the Scientific Method!

- What is the scientific method?
 - The scientific method is a way to solve problems using data and experimentation
 - It can be used to test a hypothesis (guess) to see if it is right or wrong



ASK A QUESTION!

- What is problem that you would like to solve
- Ask a question about that problem
- Example: Is the water at my school clean?

FORM A HYPOTHESIS

- A hypothesis is a guess at an answer to your question
- Use what you know to make a guess, you do not need to be right!!
- Example: I think the water at my school is clean.

EXPERIMENT

- Experiment to see if your guess (hypothesis) is correct
- Be sure to stay safe and ask an adult for help if you need it
- Example: Using an intelligent filter, find how dirty water is from your school.

COLLECT DATA

- While you experiment, make observations and write down what you notice
- Use your senses (sight, hearing, smell, taste, and touch) to gather information
- Be sure to be safe! (don't taste everything)

FORM A CONCLUSION

- Was hypothesis was correct?
- Make a statement that you can use to share your findings
- Example: The water at my school was clean. I know this because the filter showed good sensor readings!