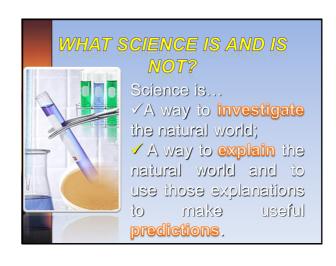




FOCUS ON THIS:

You will be given a **KWL chart**. You are to complete the **KNOW** column writing down what you know about science. After which refer to your textbook and will be asked to scan through the first chapter. After scanning, fill out the **WANT TO KNOW** column.





True or False (?





Science is concerned with understanding how nature and the physical world work.

Science can prove anything, solve any problem or answer any question.

False





Science actually attempts disprove ideas (hypotheses).

Science is limited strictly to solving problems about the physical and natural world.

Explanations based on supernatural forces, values or ethics can never be disproved and thus do not fall under the realm of science.

Think about this...

True or False (?)



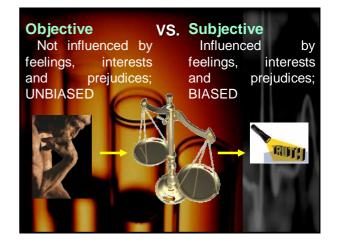
False



Science must follow certain rules.

"I think you should be more explicit here in step two."

The rules of science make the scientific process as objective as is possible.





Anything done scientifically can be relied upon to be accurate and reliable.

False

Different scientists may get different solutions to the same problem.



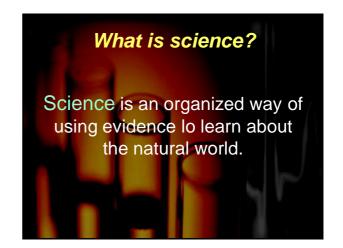


- Results can be influenced by the race, gender, nationality, religion, politics or economic interests of the scientist.
- Sampling or measurement bias can result in different solutions to the same problem.











 Your team will use pictures from magazines, to make a collage showing as many different situations where science is involved. At the back of it write down group's idea of what could be another definition of science for you and its advantages and disadvantages as they for see it.

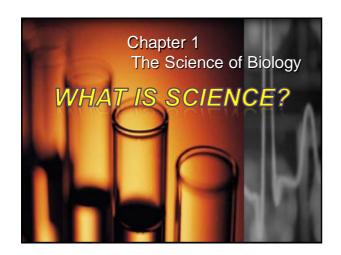
Rubrics for Science Collage					
Comment:				X30	X
	Excellent	Excellent Good	Excellent Good Needs Improvement	Excellent Good Needs Improvement Poor	Excellent Good Improvement 0 Team Rating

SYNTHESIS:

At the end of this lesson, fill out the LEARN column. Writing down what you have learned in this part of the lesson.

HOMEWORK:

1. Use a biology textbook to unlock vocabulary terms: Science, Observation, Data, Inference, and Hypothesis



OBJECTIVE:

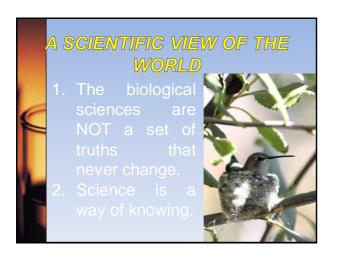
Apply behavioral qualities of a scientists that can help the world a better place to live in;

THINK ABOUT THIS:

Have visited the rivers in Pasig, Guadalupe and Quiapo?

THINK ABOUT THIS:

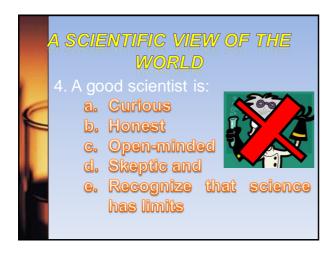
Learning the current state of these rivers and how sciences with other professionals and local environmentalists, including many students like themselves are working to reverse the decline in these rivers.

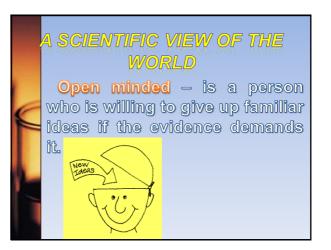


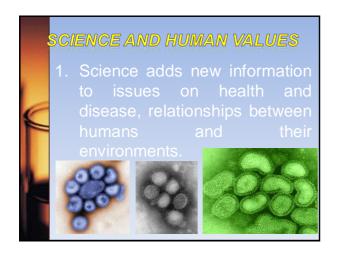
A SCIENTIFIC VIEW OF THE WORLD

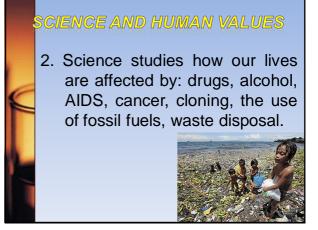
- 3. Science is an ongoing process involving:
 - a. Asking questions
 - b. Doing observations
 - c. Making inferences
 - d. Testing hypotheses





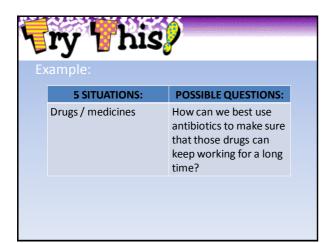








 Make a list of things that your group need to understand to protect your life and the lives of others close to you. Create a chart of 2 columns; in the first column write down SITUATIONS; in the second column write down POSSIBLE QUESTIONS.



SYNTHESIS:

What is the connection between our environment and the people that live in it?

HOMEWORK:

ы.

- a. What are your impressions on how science can make our rivers alive?
- b. How can scientific evidence help raise awareness regarding environmental issues?

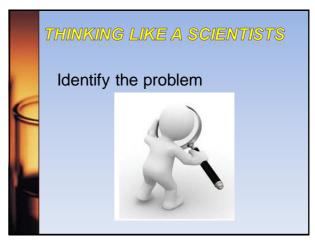
DL:

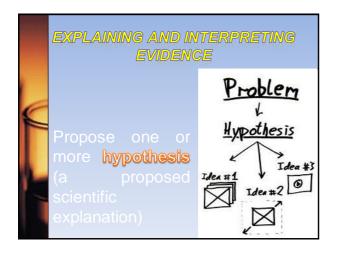
have learned today with our polluted river and how can we solve the garbage problem in our rivers.

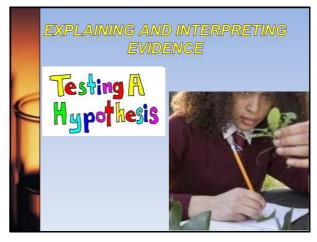
OBJECTIVE:

Identify and analyze the steps used to answer questions in a scientific method;

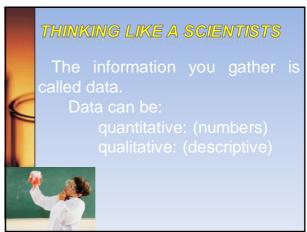


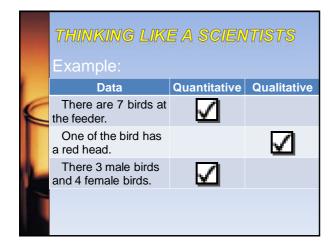




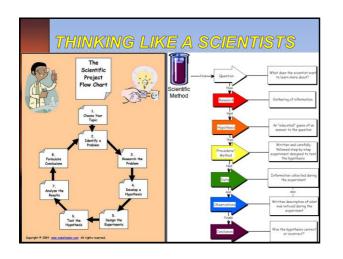


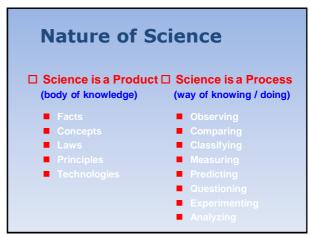












Nature of Science Science is Thinking Why and how do things happen? Science is Inquiry What matter is? How it is transformed?



SYNTHESIS:

Write a conclusion that summarizes the important parts of your experiment and the results.

Can you formulate a theory of how to predict with almost 75% accuracy? Explain.

HOMEWORK:

Analysis: Listen to, view a commercial or read a newspaper for a product that addresses a medical problem such as constipation, allergies or bad breath. Record the following information:

- a. What is the major claim made in the commercial?
- b. Is the claim based on experimentation?
- c. What data, if any, are used to support the