

YOUTH ART PROJECT FOR:

OBSERVE RECORD

OBJECTIVE

Students will demonstrate an understanding of the importance of observing and recording data and how to do so when conducting an experiment.

Set up/prep time:

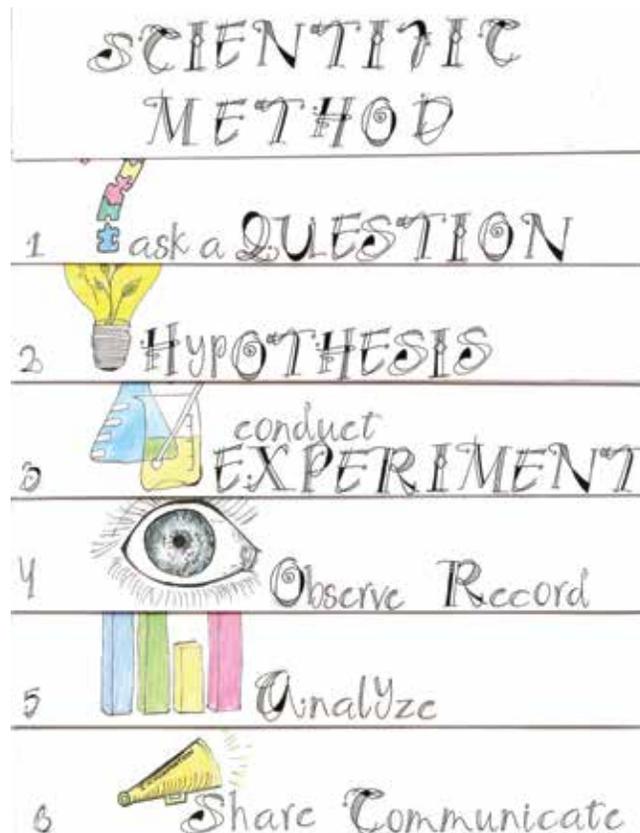
30 minutes

Activity time:

2-3 hours

Materials Needed:

Colored markers, black fine point pen, pencil, eraser, paper





COMMON CORE STATE STANDARD

CCSS.ELA-Literacy.RST.6-8.3 Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.

PRE LESSON ASSESSMENT

Administer a pre lesson assessment to determine what the students already know about observing and recording data as relates to the scientific method.

VOCABULARY

Observation, record, results, data, quantitative data, qualitative data,

RELEVANT RESOURCES

Content

<http://simple.wikipedia.org/wiki/Observation>

<http://explorable.com/scientific-observation>

http://www.ehow.com/how_5088688_record-science-lab-notebook.html

Art

<http://www.wikihow.com/Draw-a-Human-Eye>

<http://www.howtodraweyes.com/>

<http://www.edition-handdruck.de/img/human/eye-drawing3-2.jpg>

“To acquire knowledge, one must study; but to acquire wisdom, one must observe.”

- Marilyn vos Savant

Students will engage in:

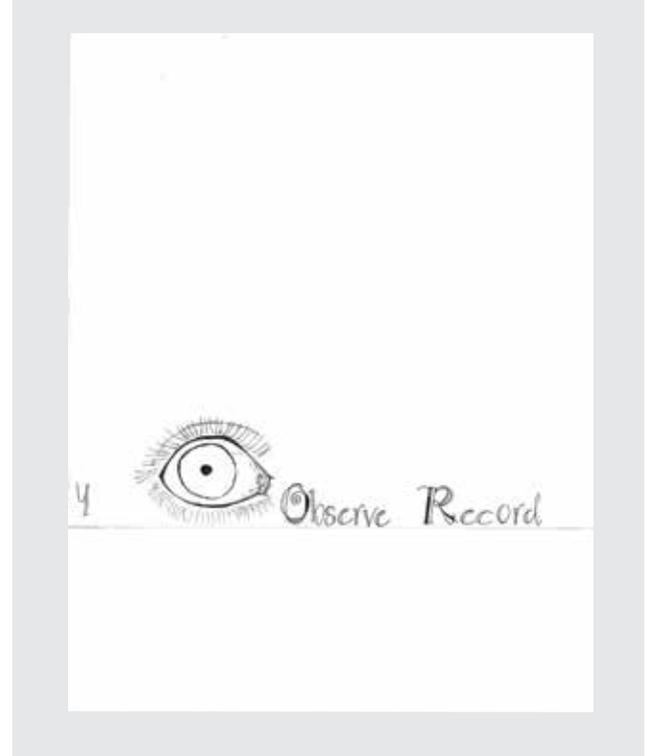
- Listening
- Speaking
- Reading
- Writing
- Partner Work
- Cooperative Learning
- Whole Group Instruction
- Visuals
- Hands on
- Technology Integration
- A Project
- Centers
- Simulations
- Activities





STEP 1

This is the fifth lesson in a unit created to teach the Scientific Method. Prior to this lesson students should have completed Lesson 3: Conduct Experiment. Students will be using the scientific method booklet they made in the “Introduction to the Scientific Method” lesson, and should be on the tab labeled “4.” This will be step four of the scientific method. Have the students use a pencil to write the words, OBSERVE RECORD, on this tab. Instruct the students to also use a pencil to draw a symbol that can be associated with observing and/or recording.



STEP 2

Have the students trace their pencil markings with a black fine point pen and then erase any remaining pencil markings. Instruct the students to use markers to color the symbol they have chosen to represent this fourth step of the scientific method.





STEP 3

Have the students write on this same page of their booklet, above the tab or on a sticky note, the importance of observing and recording data. Have the students also record their results and what they have observed when conducting an experiment completed individually or as a class. Students should also write any other information, from instruction or their own research, which they consider interesting and/or important in understanding this step of the scientific method.



POST LESSON ASSESSMENT

Administer a post assessment to determine what new knowledge the students have gained.



Test your Hypothesis by Doing an Experiment.

OBSERVE WHAT IS TAKING PLACE

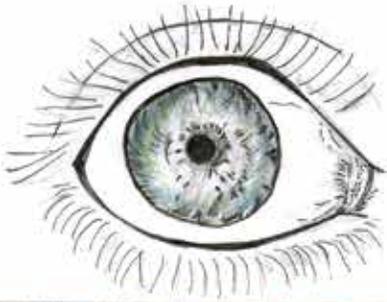
Observe and Record - important step
Your observations and data you collect
will assist you in answering your question
or problem - this will help you form your
conclusion

Examine closely and carefully

*Qualitative Data (senses)

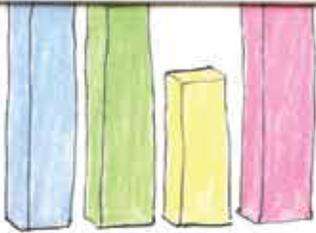
Quantitative Data - time, speed,
length, volume

4



Observe Record

5



Analyze

6



Share Communicate