

## INSPIRE GK12 Lesson Plan



<b>Lesson Title</b>	Scientific Method Review Game
<b>Length of Lesson</b>	50 min class period
<b>Created By</b>	Kendra Wright
<b>Subject</b>	Science
<b>Grade Level</b>	7 <sup>th</sup> grade
<b>State Standards</b>	7 <sup>th</sup> grade Inquiry: 1c, 1d, 1e 7 <sup>th</sup> grade Life Science: 3b
<b>DOK Level</b>	DOK 2, DOK 3
<b>DOK Application</b>	Skill/Concept, Strategic Thinking
<b>National Standards</b>	5-8 <sup>th</sup> grade: A (Inquiry)
<b>Graduate Research Element</b>	My research always uses measurements, metric conversions, and the scientific method.

### **Student Learning Goal**

#### MS 7<sup>th</sup> grade

- c. Collect and display data using simple tools and resources to compare information (using standard, metric, and non-standard measurement). (DOK 2)
- d. Organize data in tables and graphs and analyze data to construct explanations and draw conclusions. (DOK 3)
- e. Communicate results of scientific procedures and explanations through a variety of written and graphic methods. (DOK 2)

#### National Science Education Standards 5-8<sup>th</sup> grade

Content Standard A: Understandings about scientific inquiry

### **Materials Needed (supplies, hand-outs, resources):**

Review Game PowerPoint (Exam Review.pptx), Exam Review Answers.xps, bell

### **Lesson Performance Task/Assessment:**

For the first 9 weeks of school, students have been learning about measurements, metric conversions, and the scientific method. In order to prepare for the first 9 week test, students will play a review game using questions on PowerPoint (Exam Review.pptx) slides.

### **Lesson Relevance to Performance Task and Students:**

While having fun with science questions, students will be challenged and given practice for the test the following day.

### **Anticipatory Set/Capture Interest:**

Students will be split up into team of girls versus boys. This always stirs up excitement for the game.



**Guided Practice:**

The PowerPoint (Exam Review.pptx) will guide them through question similar to those on the test.

**Independent Practice:**

A boy and a girl student will face off on a review question. I will ask the question and the first student to ring the bell will have a chance to answer the question.

**Remediation and/or Enrichment:**

Follow IEP. Have extra metric conversion question ready if needed.

**Check(s) for Understanding:**

Answers to review questions.

Overview questions:

1. How is the scientific method a valuable tool of research?
2. Why is the ability to convert measurements so important?
3. Why is it better to use the metric system with scientific research?

**Closure:**

Tally up the scores, announce the winner, and once more, remind the students of the test the next day.

**Possible Alternate Subject Integrations:**

Practice for the MCT.

**Teacher Notes:** Lesson is to be fun and interactive.