

Title of lesson

The Scientific Revolution in Images

Standards

8.4.12

Learning outcome(s) (what will students be able to do/know by the end of the lesson)

Students will be able to name the fields that saw major advances during the Scientific Revolution.
Students will be able to identify the people responsible for major scientific advances.

Bridge-in (focus student attention)

Daily Journal – Describe a significant scientific breakthrough that you know of.

Input from you (main content: ideas, information, concepts, principles, procedures and examples)**Skills**

- Critical thinking
- Inference-making

Knowledge

- Francis Bacon
- Rene Descartes
- Scientific Method
- Isaac Newton
- Gravity
- Orbits
- Color Spectrum
- Robert Boyle
- Advances in chemistry
- Anthony von Leeuwenhoek
- Microscope

Guided practice (application of knowledge: classroom activities for students, problem to solve, etc.)**Image Analysis Activity**

- Students will receive a packet of 5 “Image Analysis Guides”
- Images will be presented via PowerPoint presentation
- After image is presented, students will have time to fill out an “Image Analysis Guide for the image.”
- The class will discuss what they observed in the image.

Closure (recap key concepts, helps students consolidate knowledge)**Assessment** (how does this lesson relate to assignments/homework/readings)

Image Analysis Guide, Daily Journal

Image Analysis Guide

Level I. Observation

Study the image for 2 minutes. Form an overall impression of the image and then examine individual items. Next, divide the image into quadrants and study each section to see what new details become visible.

1. Use the chart below to list people, objects, and activities in the image

People	Objects	Activities

Level II. Inference

2. In what time period do you estimate this image was made? Why? _____

3. Who is the intended audience for this image? _____

4. List three other things you might infer from this image. _____

Level III. Analysis

5. Based on your observations in Levels 1 & 2, what is the purpose of this image? _____

6. What questions does this image raise in your mind? _____

7. Where could you find answers to these questions? _____

**** See Attached PowerPoint for images