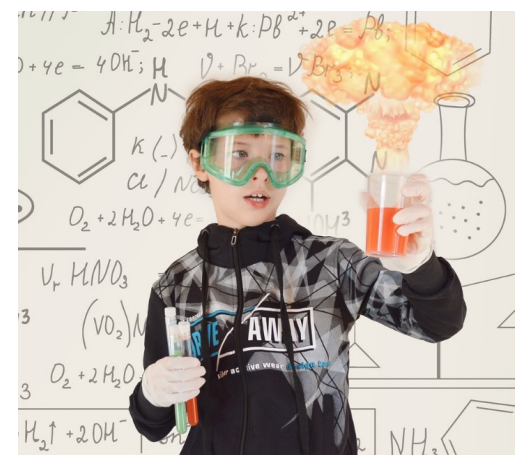
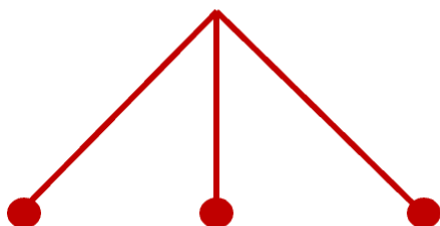
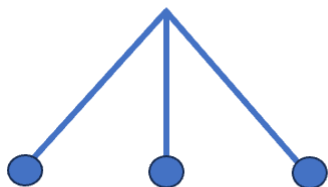
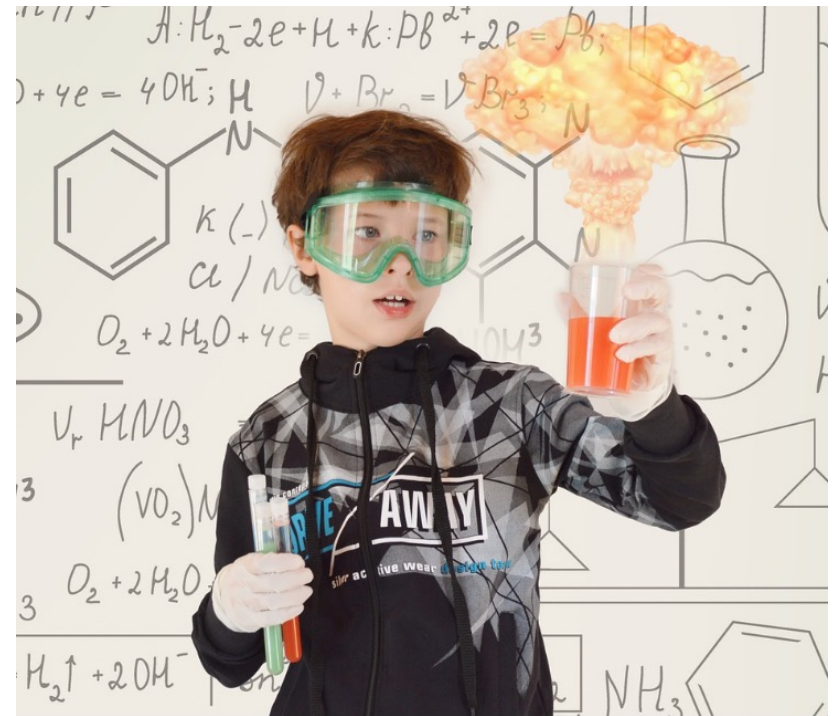


Scientific Method Investigations

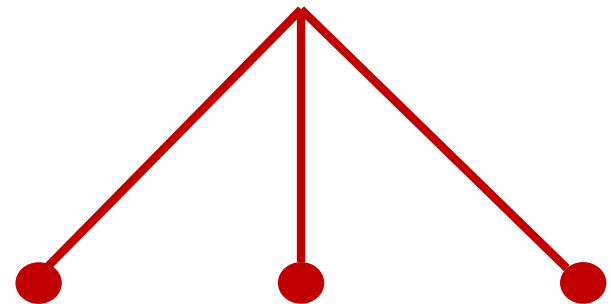
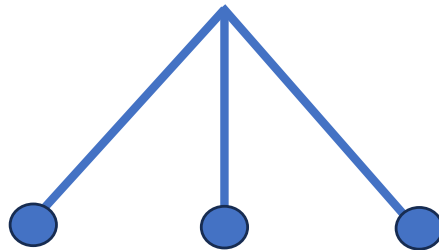


Investigating Using the Scientific Method

Emphasize the importance of identifying variables, controlling conditions, collecting data, and drawing evidence-based conclusions. These activities provide hands-on experiences that allow students to practice critical thinking, hypothesis testing, and data analysis within the framework of the scientific method.



Pendulum Investigation



Paper Airplane Challenge



Memory Recall



Memory Recall – Image Set #1



Memory Recall – Image Set #2

Memory Recall – Image Set #3

Memory Recall – Image Set #1

Water Temperature and Dissolving Rate

- You are to investigate the effect of water temperature on the rate of dissolving.
- Place equal amounts of a soluble substance, salt, in cups of ice cold, warm, and hot water.
- Observe the rate of dissolution (time to dissolve) for each temperature and draw conclusions about temperature's impact.
- Prior to starting the experiment, you must create a hypothesis, materials list, table to collect data, and identify the independent variable, dependent variable, and control variables.
- Collect your data, analyze the results, and draw conclusions.



Baking Soda and Vinegar Reaction



Effect of Exercise on Heart Rate

