

Grade 7 Science  
Week of October 26 – October 30




**Unit 2 Inquiry Project**



Intro to Inquiry Projects: <https://youtu.be/NtE0es3r7CY>

Instructions:

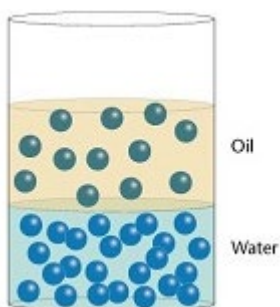
- Select a project for this unit from the list below. Detailed directions are in the various PDFs.
  - You may choose to do more than one.
- If you are working on a computer, each project should be in **ONE** file (often a WORD document) where all data, pictures, scans, etc.....are inserted into this document. It should be clearly named and completed.
- Check with your teacher if you wish to deviate from the project list.

 A photograph of a single, intricate blue crystal snowflake against a light, blurred background.	<p><b>How can I use chemistry to make crystal snowflakes?</b></p> <p>Topics: Crystal, Crystallization</p>
 A close-up photograph of a bicycle hub and spokes, showing significant rust and corrosion on the metal components.	<p><b>How does rust occur and what can I do to prevent it?</b></p> <p>Topics: Chemical Change, Corrosion, Rust</p>
 A diagram showing two pieces of laboratory glassware: an Erlenmeyer flask on the left and a beaker on the right. Both contain blue liquid and have white bubbles rising from them, indicating a chemical reaction. The background features a network of white lines and dots.	<p><b>How can I tell if a chemical change occurred?</b></p> <p>Topics: Chemical Change</p>



**Can I recognize chemical change by doing some kitchen chemistry?**

Topics: Chemical Change, Kitchen Chemistry



**Why does oil float on water and how does this extend to other liquid combinations?**

Topics: Density



**Why do hot air balloons rise?**

Topics: Density



**How can I use marshmallows to show what molecules look like?**

Topics: Model, Molecule