**Teacher Guide**

**Sequence of Instruction:**

1. Review learning outcomes.
2. Pose question…students pause, think, talk with each other
3. Whole class discussion…what are our initial thoughts? (Chart initial thoughts on chart paper, compile thoughts in a document, add slide(s) to PPT, etc.)
4. Independent writing…use template…complete, “First I thought…”
5. Complete experiments...follow PPT slides
6. Independent writing…use template…complete, “Then, I learned…”
7. Learn from experts…follow link in PPT
8. Independent writing…use template…complete, “Then, I learned more…”
9. Bring everything together with class discussion!

* First, we thought about what we know, we watched a video, and stated a claim (our hypothesis).
* Then, we conducted several experiments and documented our findings. (Briefly conclude what findings were.)
* After that, we learned more from experts.
* Finally, we formed conclusions and applied what was learned.

**Resources/helpful websites:**

<http://www.nextgenscience.org/2spm-structures-properties-matter> (NGSS)

<http://www.corestandards.org/> (CCSS)