**RESOURCE LIST – SCIENCE PHENOMENA FOR VIRTUAL LEARNING**

**Links from Slides**

* Mentimeter: [menti.com/q5ynzihpbw](http://menti.com/q5ynzihpbw)
* Lesson 1: Feelin’ the Phenomena: <https://learn.k20center.ou.edu/lesson/415>
* Lesson 2: Venom: From Lethal to Lifesaving: <https://learn.k20center.ou.edu/lesson/453>
* Virtual Tools:
  + <https://padlet.com/>
  + <https://keep.google.com/>
  + <https://www.desmos.com/>
  + <https://quizlet.com/>
* Middle School & High School (MS/HS) Phenomena Slides: <https://docs.google.com/presentation/d/1kaup2xfM2FEVQkK9ryBn85g0XIJ9MEmdXof_ulaBqJM/>

**Resources for Implementing Virtual Phenomena**

* Phenomena Template for Families: <https://docs.google.com/document/d/1rYKykwRFEDxwYDg7Pwr9uH5b4-4apC5X5pkvH1VUfwA/copy>
* Virtual Phenomena Ideas and Library: <https://www.ngssphenomena.com/teaching-with-phenomena>
* NSTA Distance Learning Resources: <https://www-nsta-org.ezproxy.lib.ou.edu/distance-learning>
* Penuel, W. R., & Bell, P. (March 2016). Practice Brief 28: Qualities of a Good Anchor Phenomenon for a Coherent Sequence of Science Lessons. <http://stemteachingtools.org/brief/28>

**K20 Strategies for Implementing Virtual Phenomena**

*Collaborating*

* Always, Sometimes, or Never True: <https://learn.k20center.ou.edu/strategy/145>
* Annotating Text:<https://learn.k20center.ou.edu/strategy/114>
* Chalk Talk: <https://learn.k20center.ou.edu/strategy/197>
* Collective Brain Dump: <https://learn.k20center.ou.edu/strategy/111>
* I Think/We Think: <https://learn.k20center.ou.edu/strategy/141>
* Three Sticky Notes: <https://learn.k20center.ou.edu/strategy/153>

*Collecting and Using Evidence*

* Annotating Text: <https://learn.k20center.ou.edu/strategy/114>
* How I Know It: <https://learn.k20center.ou.edu/strategy/144>
* Why-Lighting: <https://learn.k20center.ou.edu/strategy/128>

*Developing and Assessing Understanding*

* Card Sort: <https://learn.k20center.ou.edu/strategy/147>
* Concept Card Mapping: <https://learn.k20center.ou.edu/strategy/123>
* I Notice, I Wonder: <https://learn.k20center.ou.edu/strategy/180>
* I Used to Think… But Now I Know…: <https://learn.k20center.ou.edu/strategy/137>
* Six-Word Memoirs: <https://learn.k20center.ou.edu/strategy/75>
* Spend a Buck: <https://learn.k20center.ou.edu/strategy/154>
* Sticky Bars: <https://learn.k20center.ou.edu/strategy/129>
* Tell Me Everything: <https://learn.k20center.ou.edu/strategy/107>
* What? So What? Now What?: <https://learn.k20center.ou.edu/strategy/95>