PBL Explore: Oil Spill Clean Up and Recovery

Week 1 Agenda

1. View the following resources

<https://www.nationalgeographic.com/news/2018/03/oil-spill-colombia-animals-killed-spd/>

<https://www.youtube.com/watch?v=8Uax5FRWnvs>

<https://www.cbsnews.com/news/4-years-after-bp-spill-environmental-impacts-persist/>

2. Research these four main methods of cleaning up oil spills

* Oil booms
* Oil skimmers
* Oil sorbents
* Burning oil in situ

3. Discuss ideas for a non-science component to build into your project. Examples you might consider include oil spill history, oil spill statistics, economic consequences of oil spills, or legal outcomes/issues of oil spills.

4. Discuss ideas for a focus for your scientific experiments.

* Do you want to focus on the types of materials used in existing methods, the engineering aspect of equipment and methods used, or the types of methods used?
* Do you want to focus on cleaning the water, or the shore?
* Do you want to focus on immediate containment, or long-term recovery?