**Systems Thinking Workshop**

**Additional Systems Thinking Resources**

**Websites**

* From the experts in systems thinking and learning at Quest Schools, this design pack is full of tools and resources to begin or expand the integration of systems thinking into your classroom. <http://educators.brainpop.com/wp-content/uploads/2014/07/IOP_QDesignPack_SystemsThinking_1.0.pdf>
* Tools for Systems Thinkers: The 6 Fundamental Concepts of Systems Thinking <https://medium.com/disruptive-design/tools-for-systems-thinkers-the-6-fundamental-concepts-of-systems-thinking-379cdac3dc6a>
* A website dedicated to catalyzing effective change by expanding the use of systems thinking approaches. <https://thesystemsthinker.com>
* Systems Thinking in a Second Grade Curriculum: Students Engaged to Address a Statewide Drought. <https://digitalcommons.chapman.edu/education_articles/219/>
* A collection of introductory pieces to systems thinking, systems thinking for today’s organizations, and other related materials. <http://learningforsustainability.net/systems-thinking/>
* How to Practice Systems Thinking in the Classroom <https://teacher-blog.education.com/how-to-practice-systems-thinking-in-the-classroom-9cbfa3dcd2cf>
* Systems Thinking is an Engineering Habit of Mind <http://blog.eie.org/systems-thinking-skills-in-the-engineering-classroom>

**Videos**

* What is Systems Thinking? By Peter Senge, Author of the Fifth Discipline <https://www.youtube.com/watch?v=V38HrPnYkHI>
* An Introductory Video to Systems Thinking <https://www.youtube.com/watch?v=AP7hMdnNrH4>
* Systems Thinking: A Cautionary Tale (Cats in Borneo) <https://www.youtube.com/watch?v=17BP9n6g1F0>

**Books**

* Systems Thinking Made Simple: New Hope for Solving Wicked Problems by Derek Cabrera, Laura Cabrera
* Thinking in Systems: A Primer by Donella H. Meadows

**Existing SMILE Lessons on Systems Thinking**

* Patterns
* Perspectives
* Feedback Loops
* Emergence
* Hierarchies
* Define a System