09 Savant Syndrome: A Comparison of Neurodivergence

Content Area: **Science**
Course(s):
Time Period: **Semester 1**
Length: **1.5 weeks**
Status: **Published**

Standards

HS-LS1	From Molecules to Organisms: Structures and Processes
HS-LS3	Heredity: Inheritance and Variation of Traits
HS-LS4	Biological Evolution: Unity and Diversity

Enduring Understandings

- Neurodivergence causes differences in the way people act and relate to others.
- Connection to the course Big Ideas, especially Structure: Function, is strong.
- Savantism challenges us to think differently about the way we think.

Essential Questions

- Are you aware of the way you think? What is Metacognition?
- Not everyone thinks about things in the same way.
- What makes someone an "autistic savant?"

Knowledge and Skills

NGSS Skills/Practices

- Asking Questions.
- Obtaining, Evaluating, and Communicating Information.

Knowledge:

- What are some reasons that have been shown to cause Savantism?
- How does brain anatomy connect to Savantism?

- How do brains differ in savants than neurotypical individuals?
- How can Savantism appear differently in different individuals?
- How do Savants differ in processing information than neurotypical individuals?
- What "kind" of Savants are "out there?"
- How can studying Savantism help us to understand neurotypical individuals?
- How can "articulate" Savants teach us about ourselves?

Assessments

https://docs.google.com/document/d/1wR7bQF-8AQoRrt0g4C3hKja0yjwDjC9_BiAmONWbTcI/edit?usp=sharing

Modifications

https://docs.google.com/document/d/1ODqaPP69YkcFiyG72fIT8XsUIe3K1VSG7nxuc4CpCec/edit?usp=sharing