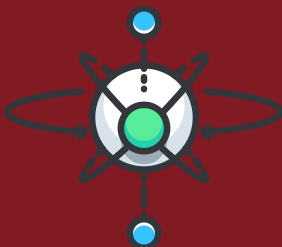


The State of Science in Somers



Since the introduction of new science standards in 2016, Somers teachers have been working to improve the rigor of science offerings while relating science concepts to students' lives and the world.

K-5

Somers Elementary Science Curriculum, called "Science 21," is provided by Putnam Northern Westchester BOCES.

Science 21:



6-8

In 2017, the SMS science department deconstructed the New York State Science Learning Standards, seeking an integrated approach to align the Science 21 Curriculum, the IB MYP Programme, and new standards in science. After careful consideration of both the science domains and the conceptual progressions models, the conceptual progressions model was chosen. To build a coherent experience for all students, the middle school experience in science was changed to focus on an exploration of how to sustain human life on another planet, following the following sequence:

Search

Students will search for a new planetary home

Travel

Students will travel to a new planetary home

Sustain

Students will sustain life on a new planetary home

Example Units		Connections
Propulsion Forces and Motion Gravity Magnetism Motors/generators Energy Conservation of Mass	Life Support Cells Body Systems Photosynthesis Cellular Respiration	Connecting Topics: Chemical Reactions Wave Properties Information Technology

9-12

In 2017, the SHS science department deconstructed the New York State Science Learning Standards, seeking alignment with both the SMS conceptual progressions model and to build student capacity to be scientifically literate in the 21st century while meeting NYS graduation requirements. To date, the following science pathways are available for students to pursue with more to come.

