**Teacher Resources on Starlogo Nova and other Computer Science Sites**

**MIT Biograph**

BioGraph is a series of high school biology units and support materials using agent-based computer models written in Starlogo Nova to explore complex systems.
http://education.mit.edu/portfolio_page/biograph/

**Code.org**

About Code.org (taken from their web site)
Launched in 2013, Code.org® is a non-profit dedicated to expanding participation in computer science by making it available in more schools, and increasing participation by women and underrepresented students of color. Our vision is that every student in every school should have the opportunity to learn computer science. We believe computer science and computer programming should be part of the core curriculum in education, alongside other science, technology, engineering, and mathematics (STEM) courses, such as biology, physics, chemistry and algebra.

Code.org has a special section on Starlogo Nova.
http://code.org/curriculum/mss
(from their web site)
Code.org has partnered with the award-winning Project GUTS (Growing Up Thinking Scientifically) to deliver a middle school science program consisting of four instructional modules and professional development for the introduction of computer science concepts into science classrooms within the context of modeling and simulation. The goal of the program is to situate computer science practices and concepts within the context of life, physical, and earth sciences, and to prepare students to pursue formal, year-long courses in computer science during high school. CS in Science is based on a crosswalk identifying areas of overlap between the NGSS and Computer Science Teachers Association K-12 Computer Science Standards.

**Project GUTS**

**http://www.projectguts.org/**
About Project GUTS (taken from their web site)
Project GUTS -- Growing Up Thinking Scientifically -- is a summer and after-school science, technology, engineering and math (STEM) program for middle school students based in Santa Fe, New Mexico and serving New Mexico. Growing up thinking scientifically means learning to look at the world and ask questions, develop answers to the questions through scientific inquiry, and design solutions to their problems. Project GUTS is hosted by the Santa Fe Institute and is funded by the National Science Foundation, the Bengier Foundation, the Los Alamos National Bank, Lockheed-Martin Foundation, the New Mexico Public Education Department Math and Science Bureau, New Mexico Experimental Program to Stimulate Competitive Research (NM-EPSCoR), the Los Alamos National Laboratory Foundation, and by private donors. Project GUTS was recently awarded the Afterschool Alliance's STEM Impact Award!

Here is a curriculum section in Project GUTS, with many biology topics, as well as other areas:
http://www.projectguts.org/CurriculumbyTopic