



The Problem

States that have adopted Next Generation Science Standards (NGSS) **have not provided teachers the tools they need to meet requirements for teaching Space Systems.**



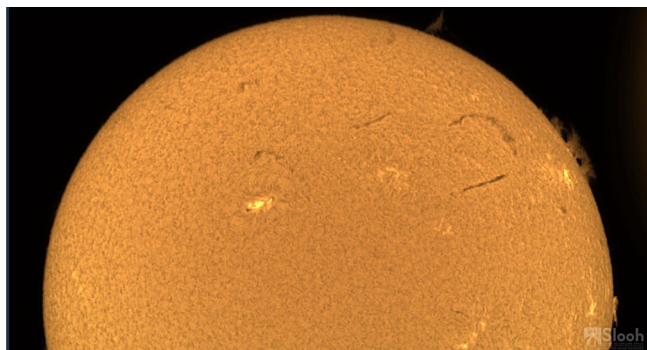
The Solution

Slooh's Online Telescope and integrated NGSS-aligned space systems curricula are designed to let K-12 science educators meet state standards, for less than \$1 per student per year.

NGSS Requirements To Investigate Space Phenomena

Students should have opportunities to plan and carry out several different kinds of investigations during their K-12 years. Scientific investigations may be undertaken to describe a phenomenon, or to test a theory or model for how the world works. Students should design investigations that generate data to provide evidence to support claims they make about phenomena. In the case of field observations, planning involves deciding how to collect different samples of data under different conditions, even though not all conditions are under the direct control of the investigator.

You wouldn't teach biology without a microscope, so why teach the universe without a telescope? It hasn't been practical for schools to set up their own telescopes but online telescopes make the study of space accessible to everyone.



Students track solar features across the face of the Sun using Slooh's solar telescope in the Canary Islands and NGSS-aligned "Our Radiant Star" learning activity.

Sample of NGSS Requirements for Space Systems and related Slooh Curricula

HS-ESS1-1 Earth's Place in the Universe

Slooh curricula: *Our Radiant Star, Stars Like Ours, Out With a Bang, There Goes the Sun, and The Life and Death of Stars*

HS-PS1-8 Matter and Its Interactions

Slooh curricula: *Light: the Language of Astronomy, Our Radiant Star, Stars Like Ours, and Out With a Bang*

HS-PS2-4 Motion and Stability: Forces and Interactions

Slooh curricula: *In the Footsteps of Kepler - Planetary Motions*

MS-PS4-2 Waves and their Applications in Technologies for Information Transfer

Slooh curricula: *Nifty Nebulae, and Light: the Language of Astronomy*

MS-ESS1-1 Earth's Place in the Universe

Slooh curricula: *In the Footsteps of Apollo Astronauts, The Moon - Lunar Phases, and Mystery of the Changing Moon*

4-PS3-2 Energy

Slooh curriculum: *Nifty Nebulae*

Slooh's Solution for NGSS Compliance

Slooh's Online Telescope enables students to collect and analyze data under different conditions to support their claims about celestial phenomena. Slooh's integrated NGSS-aligned learning activities include teacher guides, lesson plans, formative assessments, and student progress monitoring. They enable science educators with limited time and no background knowledge in astronomy to lead their students in space science investigations. Students create infographic posters like *Light: The Language of Astronomy*, one of 60+ learning activities.

