The purpose of this course is to assist teachers in the creation and implementation of lab based activities while teaching various astronomy concepts in the NYS Earth Science Regents course. These activities focus on connecting basic concepts in astronomy and their relationship to daily life. Activities cover New York State learning standard 4.1 for the Physical Setting.

Participants will construct and employ several labs applying concepts focusing on with lunar phases, calendars, topography, and mapping. Additional lessons include but are not limited to model solar system measurement, astronomy art, candy constellations, lunar survival skills, and apparent motion celestial bodies. Instructor: Paul Zaratin is a middle school Science teacher on Long Island. He has a Master’s in Earth Science Education, and holds N.Y.S. certifications in Earth Science and General Science. Through several years of teaching, he has created many lab activities in order to assist the students in understanding science concepts.