

ISI 4th grade: 4th grade teachers will receive four hands-on, inquiry-centered modules to implement in this grade level: *FOSS Environments*, *FOSS Soils, Rocks and Landforms*, *FOSS Energy* and *STC Motion and Design*. In *FOSS Environments* students design investigations to study preferred environments, range of tolerance, and optimum conditions for growth and survival of specific organisms. In this module there are four investigations with 14 individual parts. In *FOSS Soils, Rocks and Landforms* provides students with firsthand experiences with soils, rocks and minerals and modeling experiences to study changes to rocks and landforms at Earth's surface. This module has four investigations with 15 parts. In *FOSS Energy* students investigate electricity and magnetism as related effects and engage in engineering design while learning useful applications of electromagnetism in everyday life. In this module there are five investigations with 14 parts. In *STC Motion and Design* students will design and build vehicles and test the motion of their vehicle with several variables. They will redesign their vehicles using the engineering design process. There are 15 lessons and a pre and post assessments in this module.