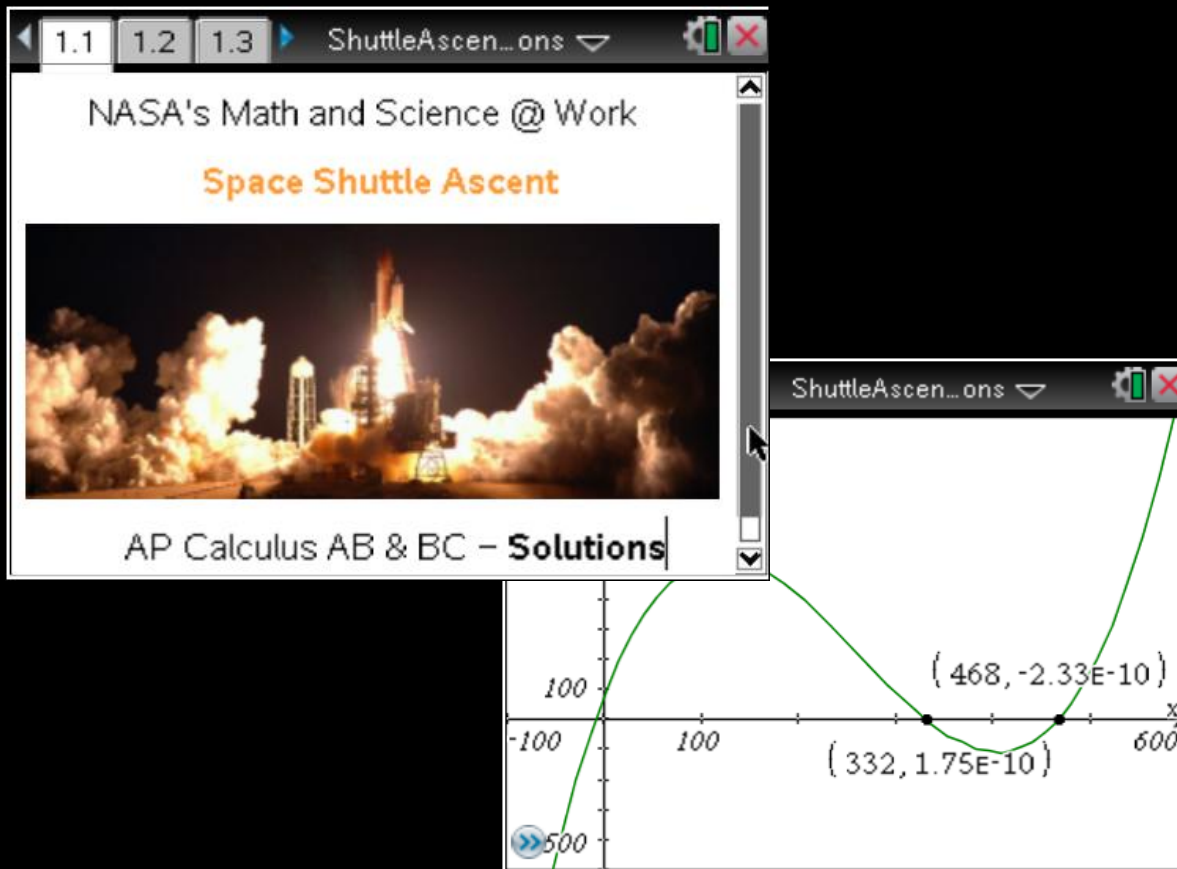




Math and Science @ Work

Calculus Applications of Real NASA Data
Introduced Using 2012 Technology





Math and Science @ Work

Project Overview

- Problems developed for AP Calculus, Statistics, Physics, Biology, & Chemistry
- Help prepare students for free-response questions on AP exams
- Students work with **REAL** NASA data
- Includes teacher friendly educator guides
- Co-developed by AP teachers and NASA experts
- Promotes careers in STEM fields
- Incorporate appropriate technology



Math and Science @ Work

- Find and Download all AP material for FREE at www.nasa.gov/education/mathandscience (see blue flyer)
- Related Project: Exploring Space Through Math for Algebra I, Geometry, Algebra II, Precalculus
www.nasa.gov/education/exploremath (see green flyer)
- Find both project activities designed for TI-Nspire and TI-84 by searching on the [TI Activity exchange](#) (keyword: NASA)



Math and Science @ Work

Space Shuttle Ascent

- Focuses on the ascent phase of a space shuttle launch.
- To engage, first watch a Space Shuttle Launch and have students listen closely to the communication between the flight controllers and the space shuttle crew during the launch. [Click here to watch.](#)
- Activity includes educator version, student version, files for the TI-Nspire, and a Google Earth file. [Click here.](#)



