

Org-Type Government-based

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URL

Service-Region Nationwide

Type Student Program

Subjects Chemistry|Physics|Space|Engineering

Level High School (9-12th grade)

Other-Objectives

Served-per-Year

[Demographics](#)

**Content** The NASA Student Launch Initiative (SLI) involves middle and high school students in designing, building, and testing reusable rockets with associated scientific payloads. This unique hands-on experience allows students to demonstrate proof-of-concept for their design and gives previously abstract concepts tangibility. Both new and returning teams construct the vehicle that is designed to reach an altitude of one mile above ground level (AGL). In addition to actual vehicle performance, teams are also evaluated on design and other criteria. This educational experience culminates with a launch at Marshall Space Flight Center in the spring. Teams can qualify to participate in the Student Launch Initiative by placing in the top 25 at the Team America Rocketry Challenge (TARC).

**Outcomes** The program aims to maintain student interest in space with hands on work.

Started [Funded-Through](#)

Length [Cost](#)

Primary-Funding [Primary-\\$](#)

Materials

Other-Funding

How-Assessed

Best-Practice-Why

Promising-Practice

Sponsor [Sponsor-Org](#)

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Other-Orgs