Building a Strong Foundation:
Improving Student Achievement in Mathematics and Science

Purpose: Increase student achievement in mathematics and science in Rhode Island public schools.

Goal: Increase instructional coherence at all levels of the system by aligning curriculum, instruction, and assessment to each other and to the state standards.

Objectives:

1) Provide targeted support for self-nominated school districts to carry out the work of alignment within their system.

2) Develop a network of intermediary service providers (ISPs) to build capacity and infrastructure at all levels of the system to sustain the alignment work long-term.

3) Leverage the resources necessary to support the work of alignment across all levels of the system.

Actions:

For each participating district, representatives from all levels (central office, school, and classroom) will...

A) Examine the current curriculum, instruction, and assessment practices at all levels of the district.

B) Study the state standards and their implications for teaching and learning in the district’s classrooms.

C) Develop, refine, and come to agreement on a standards-aligned scope and sequence and units of study within the district.

D) Identify, refine, and implement a common set of tools and structures for leaders to use in supporting teacher implementation of the aligned scope and sequence and units of study.

E) Identify, refine, and implement a common set of tools and structures to support teachers as they work collaboratively to plan and implement instruction and assessment around the aligned scope and sequence and units of study.

Roles and responsibilities:

Rhode Island Department of Elementary and Secondary Education will...

Provide supervision and oversight, codevelop the products and services, and ensure that project work is aligned to the state’s overall plan for increasing student achievement in mathematics and science.

Participating districts will...

Ensure teacher and leader participation in this project’s professional development series and carry out the action steps to meet the project goal.

Intermediary service providers (ISPs) will...

Support the alignment work and collaborate as a member of a statewide network of ISPs working with districts and schools.

Other partners, such as institutions of higher education, regional collaboratives, the state STEM Center, and others, will...

Collaborate with RIDE to align the state’s resources in support of this project and the work of improving student achievement in mathematics and science.

The Charles A. Dana Center at the University of Texas at Austin will...

Provide technical expertise and on-site support for planning and implementing this work, facilitate the initial alignment work, and help the state of Rhode Island build capacity in its education system throughout this project.