Applicant Name: North Carolina Department of Public Instruction

Project Title: PRISM: Patterns for Reaching and Impacting Students in Math

Type of Grant Requested: (select one) ☐ Early-Phase ☒ Mid-Phase ☐ Expansion

Absolute Priorities the Project Addresses: (select all that apply)

☒ Absolute Priority 1-- Demonstrate a Rationale (Early), Moderate (Mid), Strong (Expansion)

☐ Absolute Priority 2-- Field-Initiated Innovations—General

☒ Absolute Priority 3-- Promoting STEM Education

☐ Absolute Priority 4-- Meeting Student Social, Emotional, and Academic Needs

☐ Absolute Priority 5-- Educator Recruitment and Retention

Competitive Preference Priorities the Project Addresses: (select all that apply)

☒ Competitive Preference Priority 1— Promoting Equity in Student Access to Educational Resources and Opportunities: Implementers and Partners

☐ Competitive Preference Priority 2—Supporting a Diverse Educator Workforce and Professional Growth to Strengthen Student Learning* (FOR EARLY-PHASE AP5 APPLICANTS ONLY)

Total number of students to be served by the project: 7,500 (3,750 treatment in the impact study and 3,750 more when teachers in the control group receive and implement the program).

Grade level(s) to be served by the project: 4th Grade

Definition of high-need students: "Students at risk of educational failure or otherwise in need of special assistance and support, such as students who are living in poverty, who attend high-minority schools ... [or] who are far below grade level" (US DOE, 2012).

Brief description of project activities: In North Carolina, PRISM will scale, establish the efficacy, and disseminate study findings of Patterns, a comprehensive professional learning program designed to improve math outcomes, particularly for high-need students.

Summary of project objectives and expected outcomes: The project will: (1) create and test strategies to enhance the adoption and use of Patterns; (2) implement and evaluate the efficacy of the program; and (3) disseminate findings; and (4) calculate cost and track scaling.

Summary of how the project is innovative: Carnegie Learning's will take the latest research in PL and coaching to improve and launch Patterns into a virtual environment to have an impact at scale.

Other studies related to the proposed project: Patterns has a body of evidence around it from its face-to-face implementation and related evaluations (e.g. Fancsali, 2017; Jones and Bush, 2009).

Proposed implementation sites: 100 elementary schools in North Carolina, over 50% rural.

Organizations partnering with this project: North Carolina Department of Public Instruction, Carnegie