



# Alignment to Title I, Part A – Improving Basic Programs

The purpose of *Title I, Part A* is to ensure that all children have a fair, equal, and significant opportunity to obtain high-quality education and reach, at a minimum, proficiency on challenging State academic achievement standards and assessments. The following chart illustrates how *DynaMath* supports both **schoolwide and targeted assistance Title I programs**.

KEY CRITERIA FOR TITLE I, PART A FUNDING	DYNAMATH SUPPORTS SCHOOLWIDE AND TARGETED ASSISTANCE TITLE I PROGRAMS
<p>Provide opportunities for all students to meet the State's proficient and advanced levels of student academic achievement, particularly in the areas of reading/language arts, math, and science.</p>	<p><i>DynaMath</i> is an engaging teaching resource that helps upper-elementary students <u>understand and retain math concepts</u> with age-appropriate, real-world applications; exercises that tie math to literature; and test and skills practice activities. <i>DynaMath</i> <u>builds proficiency in essential math and reading curriculum skills</u>, including:</p> <ul style="list-style-type: none"> <li>• <u>Concepts of place value</u>, such as comparing numbers, estimating, and rounding</li> <li>• <u>Basic operations with whole numbers</u>—addition, subtraction, multiplication, and division</li> <li>• <u>Fraction skills</u>, including adding/subtracting, comparing/ordering, putting fractions in the simplest form, and converting between fractions and decimals</li> <li>• <u>Decimal skills</u>, including finding sums and differences and ordering decimals</li> <li>• <u>Geometry skills</u>, including classifying shapes and angles and calculating area, perimeter, and volume</li> <li>• <u>Measurement skills</u> relating to time, distance, and weight</li> <li>• <u>Using &amp; interpreting a variety of graphs</u>, including bar, line, circle, and pictographs</li> <li>• <u>Applying problem-solving skills</u>, including solving single- and multi-step word problems, using logical reasoning, and checking for math mistakes</li> <li>• <u>Applying math to real-life situations, identifying symmetry and patterns, and understanding probability</u></li> <li>• <u>Reading comprehension, fluency, and stamina</u> across a wide variety of genres and text formats, including fiction, nonfiction, read-aloud plays, and word problems</li> <li>• <u>Listening and communication skills</u> through shared readings, read-alouds, and classroom discussions of text</li> </ul> <p>As students read nonfiction articles and word problems across a wide variety of subject areas in <i>DynaMath</i>, they <u>develop content-area vocabulary and knowledge in science, social studies, language arts, and other curriculum areas</u>.</p> <p><i>DynaMath</i> provides a practice test in every issue to reinforce lessons, promote familiarity with standardized test formats, and <u>improve student achievement on standardized assessments</u>.</p>
<p>Use effective methods and instructional practices that are based on scientifically based research and that:</p> <ul style="list-style-type: none"> <li>▪ Strengthen the core academic program in the school</li> <li>▪ Increase the amount and quality of learning time, such as providing an extended school year, before- and after-school programs, and summer programs and opportunities</li> <li>▪ Provide an enriched and accelerated curriculum</li> <li>▪ Include strategies for meeting the educational needs of historically underserved populations</li> </ul>	<p><i>DynaMath's</i> instructional strategies are based upon <u>proven methods and educational practices that work</u>. Each feature is <u>connected to current NCTM standards, new curriculum focal points, and State standards</u> and is monitored by a <u>diverse team of teacher advisors</u>. Complete lesson plans in the Teacher's Edition with clear objectives help ensure <u>effective instruction and tutoring</u>.</p> <p>A report prepared by Lesley Mandel Morrow, Ph.D., Rutgers University, cites <u>research demonstrating how magazines help teachers build reading skills</u>. The study finds that classroom magazines benefit students by:</p> <ul style="list-style-type: none"> <li>• <u>Motivating students to read</u></li> <li>• Being used for <u>differentiated instruction</u></li> <li>• Providing <u>age-appropriate nonfiction</u></li> <li>• <u>Offering help for struggling readers</u></li> <li>• Providing a <u>valuable link between home and school</u></li> <li>• Using <u>research-based activities to build literacy skills</u></li> </ul> <p><i>DynaMath</i> can strengthen the core academic program, enrich the curriculum, and increase the quality and amount of time spent reading and practicing mathematical concepts. The magazine can be <u>effectively used for individualized, small-group, or whole-class instruction</u>, as well as for <u>extended learning opportunities after school or in the home</u>.</p>

KEY CRITERIA FOR TITLE I, PART A FUNDING	DYNAMATH SUPPORTS SCHOOLWIDE AND TARGETED ASSISTANCE TITLE I PROGRAMS
<p>Include strategies that address the needs of all children in the school, but particularly the needs of low-achieving children and those at risk of not meeting the State's student academic standards who are members of the target population.</p>	<p><i>DynaMath</i> provides multiple teaching strategies with each monthly issue to address the needs and skills of all children in the classroom. Motivational and skill-building strategies include:</p> <ul style="list-style-type: none"> <li>• Mini-lessons with each article that provide <u>step-by-step math instruction, empowering students to work independently, in small groups, or at home</u></li> <li>• Practice tests with questions in multiple formats (multiple choice, fill-in-the-blank, open-ended) that <u>build test-taking stamina and develop format familiarity</u></li> <li>• Statistics and graphing activities that help students learn <u>probability and interpretive skills</u> through the use of colorful charts, graphs, and diagrams</li> <li>• A cross-curricular approach that <u>connects math to social studies, literature, science, and other subject areas</u></li> <li>• Relevant, high-interest text that <u>connects math to the real world, promotes independent reading, helps students make personal connections to mathematics, and aids comprehension</u></li> <li>• A variety of texts within each issue to <u>build reading stamina and fluency</u></li> <li>• Shared readings and read-aloud plays that <u>build oral fluency and encourage reluctant students to participate in class</u></li> <li>• Colorful, text-related photographs, illustrations, graphs, diagrams, and maps to <u>aid visual learners and build visual literacy</u></li> </ul> <p><i>DynaMath</i> provides a diverse array of learning experiences in each issue to support the <u>various learning styles and needs of all students</u>.</p> <p>The Teacher's Edition contains <u>connections to curriculum skills and to current NCTM standards</u> for each article and activity to help educators easily target those features that will be most beneficial to the class as a whole and for students in need of targeted assistance.</p> <p>Reproducible skills worksheets are provided with each issue to reinforce the skills taught within <i>DynaMath</i>. These can be used for <u>whole-group assessment or to provide targeted assistance for those students in need of additional skills practice</u>.</p>
<p>Closing the achievement gap between high- and low-performing children, especially the achievement gaps between minority and non-minority students, and between disadvantaged children and their more advantaged peers.</p>	<p>By <u>increasing motivation, reinforcing skills, and encouraging students to become active participants in their math and reading development</u>, <i>DynaMath</i> can help close the achievement gap between high-performing and low-performing, minority, and disadvantaged children.</p> <p>High-interest, relevant nonfiction topics; engaging, playful activities; read-aloud plays; and grade-appropriate literature <u>motivate reluctant students to read and participate in their learning</u>. Reproducible activity sheets provide <u>practice and reinforcement of essential skills</u>.</p>
<p>Strategies to increase parental involvement in education.</p>	<p>Students can bring <i>DynaMath</i> and its reproducible skills pages home to enable parents to see what their children are learning in school. This provides <u>a springboard for family discussions and reinforcement of classroom lessons within the home</u>.</p>
<p>Provide high-quality and ongoing professional development that aligns with the State's academic standards.</p>	<p>Each Teacher's Edition provides <u>targeted teaching support, proven instructional methods, and effective teaching strategies</u>.</p> <p>Web links provide resources for educators to gain <u>additional background information</u> and to provide <u>extended learning activities in their classrooms</u>.</p>

Visit <http://www.scholastic.com/economicrecovery> to learn more about The American Recovery and Reinvestment Act and what it means to your district. To order *DynaMath*, for additional editorial information, or to receive product samples:

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