

Specialized Mathematics Programs for Students with Disabilities Accessing an Adapted Curriculum

Program	Targeted Students	Program Description	Research-based Practices
<p>Early Numeracy www.attainmentcompany.com/</p>	<ul style="list-style-type: none"> • Grades K-5 • For elementary students with moderate to severe intellectual disabilities, multiple disabilities, and some students with autism 	<ul style="list-style-type: none"> • Researched-based comprehensive curriculum program that prioritizes the math concepts students with significant cognitive disabilities need in order to meet grade-level standards and gain essential life skills • Scripted lessons to teach early numeracy skills that align to elementary level content standards (as set by the NCTM) • Utilizes story-based lessons • Consists of four theme-based units with 12 objectives that repeat and gain in complexity • Domains include counting, sets, symbol use, patterns, measurement, calendar, and numeral identification • Manipulatives and graphic organizers are provided • Includes progress monitoring forms and end-of-unit assessments 	<ul style="list-style-type: none"> • Direct and systematic instruction • Task analyses • Time delay • System of least intrusive prompts • Feedback and prompting • Progress monitoring • Positive reinforcement

Each program dictates its fidelity implementation guidelines. OSEI works with teachers to ensure fidelity to the program within the service delivery model they are using with each student. If you have any questions regarding the amount of time necessary to receive the benefits of program use, please contact OSEI.

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<p>Connecting Math Concepts Levels K-5 www.mheducation.com</p>	<ul style="list-style-type: none"> Grades 1-12 For students with autism, moderate to severe intellectual disabilities, or multiple disabilities who possess basic math/ numeracy skills, but who are significantly below grade level 	<ul style="list-style-type: none"> A comprehensive basal mathematics program designed to teach all students to compute, solve problems, and think mathematically The program provides explicit, systematic, intensive instruction to connect skills and “big idea” concepts Built-in system to monitor each student's progress daily to differentiate instruction Lessons incorporate explicit strategies that use oral and written responses 	<ul style="list-style-type: none"> Direct and systematic instruction Task analyses Progress monitoring Positive reinforcement
<p>Hands-On Math www.attainmentcompany.com/</p>	<ul style="list-style-type: none"> Grades 7-12 For secondary students with significant cognitive disabilities 	<ul style="list-style-type: none"> Skills-based supplemental program, which focuses on the fundamental math concepts from counting to two-digit addition, where big ideas are incorporated into standards-based math lessons Includes 60 lessons which are organized into three skill areas and activities: counting, sets 	<ul style="list-style-type: none"> Systematic, explicit instruction Progress monitoring Positive reinforcement

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<p>Hands-On Math <i>continued</i></p>		<p>and categories, symbols and patterns</p> <ul style="list-style-type: none"> • Lessons have a three-step teaching sequence: concrete, representational, and abstract • The program uses manipulatives to teach targeted skills 	
<p>Math Skills Builder www.attainmentcompany.com/</p>	<ul style="list-style-type: none"> • Grades 7-12 • For upper elementary and secondary students with significant cognitive disabilities 	<ul style="list-style-type: none"> • A multiyear curriculum, which addresses problem-solving skills in real-world scenarios • Includes eight units with easy-to-follow lesson plans • Uses several forms of media to ensure student success • Reviews early numeracy skills and advances to addition and subtraction 	<ul style="list-style-type: none"> • Direct and systematic instruction • Task analyses • Progress monitoring

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Teaching to Standards: Math www.attainmentcompany.com/	<ul style="list-style-type: none"> Grades 6-12 For secondary students with significant cognitive disabilities 	<ul style="list-style-type: none"> Systematic, year-long math curriculum with scripted lessons designed to accommodate all students Response and participation structured for those who communicate verbally and nonverbally <p>Topics align to NCTM standards, covering geometry, algebra, data analysis, and measurement</p>	<ul style="list-style-type: none"> Systematic, explicit instruction Progress monitoring Positive reinforcement
Access Algebra www.attainmentcompany.com/	<ul style="list-style-type: none"> Grades 9-12 For secondary students with significant cognitive disabilities 	<ul style="list-style-type: none"> Systematic, year-long supplemental algebra curriculum for high school students Includes 40 lessons and activities, which are organized into four skill areas: descriptive statistics, exponents/scientific notation, linear functions, and quantitative reasoning Lessons include graphic organizers, 	<ul style="list-style-type: none"> Direct and systematic instruction Task analyses Prompting and correction procedures Alternative response modes Ongoing data collection and progress monitoring

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<p>Access Algebra <i>continued</i></p>		<p>workbook activities, and manipulatives to allow students to solve real-life math story problems</p> <ul style="list-style-type: none"> • Math story problems reflect scenarios typical for young adults 	

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