



## Math Curriculum for Individuals on the Autism Spectrum

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Teaching math requires educators to determine the needs of each student. Math is comprised of many components, such as numbers and operations, algebra, geometry, time, measurement, and money skills. In addition, it includes data analysis and probability, processes of problem solving, reasoning and proof, connections, communication, and representation. Many frameworks for teaching math exist and are evolving. Technology has also added a new dimension to teaching math. It is important to use curriculum and programs that are successful and research based whenever possible.

Below is a listing of some examples of curriculum and programs that can be used to teach math to individuals on the autism spectrum. In addition to these programs, please be aware that there are many other supplemental programs, books, strategies, and resources that are not included but are available. Many of these resources can be accessed by Indiana residents via the [Library at the Indiana Institute on Disability and Community](#). Inclusion on this list does not imply endorsement of any one program.

Resource	Description	Vendor/Company
ALEKS®	<p>Grades: 3 to 12</p> <p>An adaptive, online learning system that precisely assesses a student's knowledge to deliver personalized instruction. Uses standards-based content, automatically reassesses, and delivers based on assessment to ensure mastery and retention.</p>	<p>McGraw-Hill Education  <a href="https://www.mheonline.com">https://www.mheonline.com</a></p>
Building Blocks®	<p>Grades: Pre-K to 8</p> <p>Supplemental digital curriculum in an adaptive format. Designed to automatically adjust based on student responses. Ongoing, real-time reports allow teachers to easily track student progress and identify potential problem areas.</p>	<p>McGraw-Hill Education  <a href="https://www.mheonline.com">https://www.mheonline.com</a></p>
Core Curriculum Solution: Elementary Early Numeracy Curriculum	<p>Grades: K to 5</p> <p>Educational package that includes a multi-year math curriculum for elementary school students pursuing a certificate of completion. Sets the foundation for math by emphasizing fluency and number sense. Aligned to standards</p>	<p>Attainment Company  <a href="http://www.attainmentcompany.com">http://www.attainmentcompany.com</a></p>
Core Curriculum Solution: Secondary Explore Math & Teaching to Standards	<p>Grades: 9 to 12+</p> <p>Educational package that includes a multi-year math curriculum for high school students pursuing a certificate of completion. Aligned to standards.</p>	<p>Attainment Company  <a href="http://www.attainmentcompany.com">http://www.attainmentcompany.com</a></p>

Resource	Description	Vendor/Company
Corrective Math	<p>Grades: 3 to 12+</p> <p>Curriculum provides intensive teacher-directed instruction on critical skills and concepts, focusing on core content. Breaks the content into a series of small conceptual steps and embedded skills.</p>	<p>McGraw-Hill Education  <a href="https://www.mheonline.com">https://www.mheonline.com</a></p>
Curriculum Solution: Transition	<p>Grades: 6 to 12+</p> <p>A blended series of curricula for facilitating independence. Includes the following programs: Explore Personal Care, Explore Budgeting, Explore Your Community, Explore Social Skills, Whose Future Is It?, and Connections in the Workplace</p>	<p>Attainment Company  <a href="https://www.attainmentcompany.com">https://www.attainmentcompany.com</a></p>
Equals Mathematics	<p>Grades: K to 5</p> <p>Standards-based curriculum for students with intellectual impairments. Instruction ranges from pre-readiness math skills, for students who need the most basic starting point, to the foundational math skills and concepts found in all math content areas, including numbers and operations, measurement, data analysis and probability, algebra, and geometry. Huge emphasis on problem solving in every lesson.</p>	<p>Ablenet  <a href="https://www.ablenetinc.com">https://www.ablenetinc.com</a></p>
Everyday Mathematics®	<p>Grades: Pre K to 6</p> <p>Teaches concepts and allows students to practice skills in a variety of representations. Focuses on real-life problem solving.</p>	<p>McGraw-Hill Education  <a href="https://www.mheonline.com">https://www.mheonline.com</a></p>
Functional Math Package	<p>Grades: 1 to 12+</p> <p>Six programs that teach budgeting, money skills, telling time, scheduling, and organization.</p>	<p>Attainment Company  <a href="http://www.attainmentcompany.com">http://www.attainmentcompany.com</a></p>

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Glencoe Math <sup>®</sup> 2015	Grades: 6 to 8  Uses a practical approach. Includes differentiated instruction to teach conceptual understanding, application, procedural skills, and fluency.	McGraw-Hill Education <a href="https://www.mheonline.com">https://www.mheonline.com</a>
Hands-On Math	Grades: K to 12  Supplemental skills-based math program that focuses on fundamental math concepts. Several math manipulatives are included.	Attainment Company <a href="http://www.attainmentcompany.com">http://www.attainmentcompany.com</a>
Jamestown Math	Grades:5 to 12  Series of <i>Number Power</i> books that target certain math skills from whole math numbers to pre-algebra and geometry.	McGraw-Hill Education <a href="https://www.mheonline.com">https://www.mheonline.com</a>
Khan Academy <sup>®</sup>	Grades: Pre-K to 12  Supplemental online videos and library to enhance math curriculum. Includes interactive challenges, assessments, and videos from any computer with access to the web. Coaches, parents, and teachers can view what their students are learning online.	Khan Academy <sup>®</sup> <a href="http://www.khanacademy.org">http://www.khanacademy.org</a>
Math180 <sup>®</sup>	Grades: 6 to 12+  Technology-based intervention program that is a comprehensive system of curriculum, instruction, assessment, and professional development. Designed to equip older, struggling students with the knowledge, reasoning, and confidence to thrive in algebra.	Houghton-Mifflin Harcourt <a href="http://www.hmhco.com">http://www.hmhco.com</a>

Resource	Description	Vendor/Company
On Cloud Nine®  Visualizing and Verbalizing® for Math	Grades: K to 12+  Helps kids and adults develop the underlying sensory-cognitive functions needed for math processing. Instruction directly applies concept and symbol imagery to learning and retaining math facts, solving word problems, and increasing the speed and stability of math computation.	Lindamood-Bell Learning Processes <a href="http://www.lindamoodbell.com">http://www.lindamoodbell.com</a>
Pro-Ed, Inc.	Grades: Pre K to 12+  Hundreds of adapted math program options that cover topics such as: money math, real life math, menu math, and word problems for non-readers. Math levels range from basics to algebra. View vendor online for additional options.	Pro-Ed, Inc. <a href="http://www.proedinc.com">http://www.proedinc.com</a>
Saxon Math	Grades: K to 12  Easy to implement. Provides more time for learning and teaching and features comprehensive materials that are convenient and organized. Differentiated-instruction opportunities and strategies include visual models, hands-on activities, technology, and enrichment tools.	Houghton-Mifflin Harcourt <a href="http://www.hmhco.com">http://www.hmhco.com</a>
Soar to Success: Math	Grades: K to 8  Intervention program that uses proven strategies and powerful graphic organizers to accelerate math growth and is organized around skill areas, or threads. Each thread contains a skill continuum that spans early skills to prerequisite skills for upper-grade level content. View vendor online for more information.	Houghton-Mifflin Harcourt <a href="http://www.hmhco.com">http://www.hmhco.com</a>



Resource	Description	Vendor/Company
Teaching to Standards: MATH	<p>Grades: 6 to 12+</p> <p>A systematic math curriculum for middle and high school students with moderate-to-severe developmental disabilities. Has scripted lessons and covers geometry, algebra, data analysis, and measurement.</p> <p>Attainment has several other programs online specifically designed for individuals with ASD and developmental delays.</p>	<p>Attainment Company  <a href="http://www.attainmentcompany.com">http://www.attainmentcompany.com</a></p>
TouchMath®	<p>Grades: Pre-K to 12</p> <p>A multisensory remedial math program with TouchPoints™ providing visual cues and a step-by-step approach.</p>	<p>TouchMath®  <a href="http://www.touchmath.com">http://www.touchmath.com</a></p>
Unique Learning System® News2You	<p>Grades: Pre-K to 12+</p> <p>This online standards-based program is designed as functional curriculum for individuals with ASD and developmental delays. Is divided into monthly thematic units with 30 lesson plans and downloadable materials. Uses SymbolStix® graphics. Includes three levels of differentiation for diverse learners.</p>	<p>Unique Learning System®  <a href="https://www.n2y.com">https://www.n2y.com</a></p>