



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 [Center for Disability Information and Referral](#) 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 https://www.mheonline.com</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 https://www.mheonline.com</p>
Core Curriculum Solution: 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 http://www.attainmentcompany.com</p>
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 https://www.mheonline.com</p>

Resource	Description	Vendor/Company
Early Numeracy Curriculum	Grades: K to 5 Researched-based curriculum that teaches early developing numeracy skills to elementary students. Lessons are taught systematically, incorporating scripted lessons, least intrusive prompt strategies, teachable objectives, and ongoing assessments.	Attainment Company http://www.attainmentcompany.com
Equals Mathematics	Grades: K to 5 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.	ablenet https://www.ablenetinc.com
Everyday Mathematics®	Grades: Pre K to 6 Teaches concepts and allows students to practice skills in a variety of representations. Focuses on real-life problem solving.	McGraw-Hill Education https://www.mheonline.com
Functional Math Package	Grades: 1 to 12+ Six programs that teach budgeting, money skills, telling time, scheduling, and organization.	Attainment Company http://www.attainmentcompany.com
Glencoe Math® 2015	Grades: 6 to 8 Uses a practical approach. Includes differentiated instruction to teach conceptual understanding, application, procedural skills, and fluency.	McGraw-Hill Education https://www.mheonline.com

Resource	Description	Vendor/Company
Khan Academy®	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® http://www.khanacademy.org
Math180®	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.	Scholastic, Inc. http://teacher.scholastic.com
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 http://www.lindamoodbell.com
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. http://www.proedinc.com

Resource	Description	Vendor/Company
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 http://www.hmhco.com
STAR® Autism Support	Grades: K to 12+ Programs that are designed specifically for individuals with ASD and developmental delays. Uses ABA (applied behavior analysis) instructional methods of discrete trial training and pivotal response to teach functional routines and math. Includes detailed lesson plans, teaching materials, data systems, and a curriculum-based assessment.	STAR® Autism Support http://starautismsupport.com
FACTER® Links®	FACTER® and Links® Grades: 5 to 12+ Teach everyday routines and skills for daily living. Promote independence in natural environment.	
Starfall®	Grades: Pre-K to Early Elementary+ Online reading resources and curriculum that integrates math, science, health, phonics, creative arts, social studies, physical movement, literacy, social-emotional development, and more.	Starfall® www.starfall.com

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 http://www.attainmentcompany.com</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® http://www.touchmath.com</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® https://www.n2y.com</p>