



## Science Curriculum for Individuals on the Autism Spectrum

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Teaching science requires educators to determine the needs of each student. Science requires students to have a grasp of language, concepts, and some math. Science is standards based and assessed in Indiana as a part of state-wide testing. Technology has also added a new dimension to teaching science. 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 science 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
Achieve 3000® Science Solutions eScience3000®	Grades: 6 to 8  Online, customizable curriculum that addresses the practices, concepts, and core ideas of science.	Achieve3000® Believe <a href="http://www.achieve3000.com/">http://www.achieve3000.com/</a>
Achieve 3000® World of Biology	Grades: 6 to 12+  Online, supplemental curriculum for middle and high school. Includes lessons at four different reading levels and uses real-life scenarios.	Achieve3000® Believe <a href="http://www.achieve3000.com/">http://www.achieve3000.com/</a>
Biology: Exploring the Science of Life	Grades: 6 to 12+  Teacher-directed and hands-on activities teach the origin, structure, growth, and evolution of species while learning to classify living organisms.	McGraw-Hill Education <a href="https://www.mheonline.com">https://www.mheonline.com</a>
Content Essentials for Science	Grades: K to 6  Standards-based program that builds essential science concepts using concise academic language, graphic organizers, and strong visuals. Can be used with ELL and at-risk students.	McGraw-Hill Education <a href="https://www.mheonline.com">https://www.mheonline.com</a>
Core Curriculum Solution: Early Science Curriculum	Grades: K to 5  Educational package that includes a science curriculum for elementary school students pursuing a certificate of completion. Aligned to standards	Attainment Company <a href="http://www.attainmentcompany.com">http://www.attainmentcompany.com</a>
Core Curriculum Solution: Teaching to Standard	Grades: 9 to 12+  Educational package that includes a science curriculum for high school students pursuing a certificate of completion. Aligned to standards.	Attainment Company <a href="http://www.attainmentcompany.com">http://www.attainmentcompany.com</a>

Resource	Description	Vendor/Company
Early Science Curriculum	Grades: K to 5  Uses the research-based inquiry process, scripted lessons, least-intrusive prompt strategies, teachable objectives, and ongoing assessments.	Attainment Company <a href="http://www.attainmentcompany.com">http://www.attainmentcompany.com</a>
Earth & Space Science: Exploring the Universe	Grades: 6 to 12  Teacher-directed and hands-on activities that teach the history of our planet and the configuration of Earth's surface, core, oceans, and atmosphere. Explores how environmental changes affect our weather.	McGraw-Hill Education <a href="https://www.mhonline.com">https://www.mhonline.com</a>
Explore Life Science	Grades: 6 to 12  A standards-based curriculum that includes 79 lessons covering 4 themes: Ecology, Evolution, Cell Biology, and Human Body Systems.	Attainment Company <a href="https://www.attainmentcompany.com/">https://www.attainmentcompany.com/</a>
Exploring Science Series	Grades: 5 to 12+  Teaches areas of earth, life, and physical science. Lessons are adapted for student access with Boardmaker® symbols and simplified language.	Attainment Company <a href="http://www.attainmentcompany.com">http://www.attainmentcompany.com</a>
Khan Academy®	Grades: Pre-K to 12  Supplemental online practice exercises and instructional videos to enhance science curriculum. Includes interactive challenges, assessments, and videos from any computer with access to the web. Parents and teachers can view what their students are learning online.	Khan Academy® <a href="http://www.khanacademy.org/">http://www.khanacademy.org/</a>

Resource	Description	Vendor/Company
The Magic School Bus	Grades: Pre-K to 5  Supplemental hands-on learning activities that include science experiments and games designed to motivate students to learn.	Scholastic, Inc. <a href="http://www.scholastic.com/">http://www.scholastic.com/</a>
Physical Science: Exploring Matter and Energy	Grades: 6 to 12+  Teacher-directed and hands-on activities teach the basic principles of matter and energy integrating physics, chemistry, and mathematics. Discusses the physical laws of how events happen in their world.	McGraw-Hill Education <a href="https://www.mhonline.com">https://www.mhonline.com</a>
Pro-Ed, Inc.	Grades: Pre K to 12+  Hundreds of adapted science program options ranging from basics to leveled texts. Program adaptations include visual formats, simple concepts, adapted reading levels, and hands-on activities. View vendor online for additional options.	Pro-Ed, Inc. <a href="http://www.proedinc.com">http://www.proedinc.com</a>
Sammy's Science House	Grades: K to 5  Activities that teach biology, weather, and observation skills. Integrates active science teaching methods with experiments, card-matching games, worksheets, and assessments.	Attainment Company <a href="http://www.attainmentcompany.com">http://www.attainmentcompany.com</a>
Science A-Z®	Grades: K-5  Numerous resources that engage students to read, write, think about, and do science. The website has units in Life, Earth, Physical, and Process Science. The units include resources offered at three reading levels.	Learning A-Z® <a href="http://www.sciencea-z.com">http://www.sciencea-z.com</a>

Resource	Description	Vendor/Company
Science and Health Series	<p>Grades: 6 to 12+</p> <p>Series of books adapted with Boardmaker® symbols to provide easier access to the standards-based content. Includes <i>Exploring Earth, Exploring Life, and Exploring Physical Science</i> plus <i>Health, Growth &amp; Development</i>.</p>	<p>Attainment Company  <a href="http://www.attainmentcompany.com">http://www.attainmentcompany.com</a></p>
Science Step by Step	<p>Grades: 6 to 12</p> <p>Includes 52 science experiments ranging from 2-10 steps, arranged by units: water, air, light, sounds, gravity and magnets. Lessons are presented with picture-based directions in a sequence.</p>	<p>Attainment Company  <a href="https://www.attainmentcompany.com/">https://www.attainmentcompany.com/</a></p>
Slater-SunCastle Technology Bundle: Simply Science	<p>Grades: 3 to 8</p> <p>This 8-unit curriculum focuses on standards-based lessons in biology plus earth, physical, and health sciences. Uses PixWriter files for writing activities and Picture It files for teacher editing or student read-alongs.</p>	<p>Attainment Company  <a href="http://www.attainmentcompany.com">http://www.attainmentcompany.com</a></p>

Resource	Description	Vendor/Company
<p>SRA Science</p>	<p>Grades: 3 to 5 and Grades: 6 to 12</p> <p>Science Laboratory: Life, Earth, Physical</p> <p>Supplemental program to use alongside your science curriculum. Emphasizes a variety of topics in Life, Earth, and Physical Sciences. Includes materials and reading selections on a variety of these science topics at two different reading levels. Focuses on science vocabulary and comprehension of science context.</p> <p>Grades: 3 to 5 Snapshots Video Series</p> <p>Supplemental science programs that focus on helping struggling learners to understand core science concepts and difficult science vocabulary.</p> <p>Grades: 1 to 5 Snapshots Simply Science</p> <p>Videos, Read Alouds, Science Songs, and Vocabulary Photo Cards are used to help learners understand cores science concepts and difficult science vocabulary.</p>	<p>McGraw-Hill Education <a href="https://www.mheonline.com">https://www.mheonline.com</a></p>

Resource	Description	Vendor/Company
STAR <sup>®</sup> 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 science. Includes detailed lesson plans, teaching materials, data systems, and a curriculum-based assessment.	STAR <sup>®</sup> Autism Support <a href="http://starautismsupport.com">http://starautismsupport.com</a>
FACTER <sup>®</sup>  Links <sup>®</sup>	Grades: 5 to 12+  Teach everyday routines and skills for daily living. Promote independence in natural environment.	
Starfall <sup>®</sup>	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 <sup>®</sup> <a href="http://www.starfall.com">www.starfall.com</a>
Unique Learning System <sup>®</sup> News2You	Grades: Pre-K to 12+  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 <sup>®</sup> graphics. Includes three levels of differentiation for diverse learners.	Unique Learning System <sup>®</sup> <a href="https://www.n2y.com">https://www.n2y.com</a>