

### Possible Middle School and High School Science Tracks

Grade	Track 1	Track 2	Track 3	Track 4	Track 5	Track 6	Track 7	Track 8	Track 9	Track 10	Track 11	Track 12	Track 13	Track 14
6	Sci 5/6	Sci 5/6	Sci 5/6	Sci 5/6	Sci 5/6	Sci 5/6	Sci 5/6	Sci 5/6	Sci 5/6	Life	Life	Life	Life	Life
7	Life	Life	Life	Life	Life	Life	Life	Life	Life	Phys	Phy	Phys	Phys	Phys
8	Phys	Phys	Phys	Phys	Phys	Phys	Phys	Phys	Phys	Earth	Earth	Earth	Earth	Earth
9	Earth	Earth	Earth	Earth	IP	IP	IP	Biol	Biol	IP	IP	IP	Biol	Biol
10	IP	IP	Biol	Biol	Biol	Chem	Chem	IP	Chem	Biol	Chem	Chem	IP	Chem
11	Biol	Chem	IP	Chem	Chem	Biol	Phy	Chem	Phy	Chem	Biol	Phy	Chem	Phy
12	Chem	Biol	Chem	Phy	Phy (opt)	Phy (opt)	Bio	Phy (opt)	open	Phy	Phy	Biol	Phy	open

PHYS in grade 7 or 8 is a middle school Physical Science course. IP in grade 9, 10 or 11 is a non-vector based Introductory Physics course. PHY in grade 11 or 12 is a vector based Physics course.

There are other tracks possible that include Anatomy & Physiology, Advanced Biology, Advanced Chemistry, Advanced Physics, Environmental sciences, Marine Biology, or Dual Credit science courses. Always check both the science and math pre-requisites.

Possible Middle School and High School Math Tracks

	Grade 7-8	Grade 8-9	Grade 9-10	Grade 10-11	Grade 11-12	Grade 12
Saxon	Math 8/7 with pre-Algebra	Algebra 1	Algebra 2	Advanced Math part 1	Advanced Math part 2	Calculus
Saxon	Math 8/7 with pre-Algebra	Algebra 1	Algebra 2	Advanced Math	Calculus	
Saxon – non-Engineering track	Math 8/7 with pre-Algebra	Algebra 1	Algebra 2	Advanced Math part 1		
Shormann Math	Math 8/7 with pre-Algebra (Saxon)	Algebra 1 with integrated Geometry	Algebra 2 with integrated Geometry	Pre-Calculus with Trigonometry	Calculus	
Other	pre-Algebra	Algebra 1	Geometry	Algebra 2	Pre-Calculus	Calculus
Other	pre-Algebra	Algebra 1	Geometry	Algebra 2 with Trigonometry	Calculus	
Other – non-Engineering track	pre-Algebra	Algebra 1	Geometry	Algebra 2	Statistics	

The student's math level should drive the science sequence.

Current science course:	Minimum concurrent math course:
Earth Science	Math 8/7 w/ pre-Algebra pre-Algebra
Biology	Algebra 1
Introductory Physics (Novare)	Algebra 1
Chemistry (Apologia)	Geometry Algebra 2 (Saxon)
Chemistry (Novare)	Algebra 2
Physics (Apologia)	Algebra 2 with Trigonometry Pre-Calculus Advanced Math (Saxon)
Physics (Novare)	Calculus

## Novare Science and Math Recommended Science and Math Sequence

We frequently get asked if we have a recommended sequence for science courses that corresponds to our textbook publication, as well as which math class best suits each science class.

For a full discussion of science and math sequencing, please read our September 2013 Newsletter article, *Sequencing the Upper School Science and Math Curriculum* which gives a thorough explanation and rationale behind our recommended sequence for grades 9 through 12, including the “Physics First” concept.

Please be aware that Novare texts are adaptable to other grade-levels than the ones in this chart. *Introductory Physics*, for example, is adaptable to grade 10 or 11.

Grade	Grade Level Track		Accelerated Track	
	Science	Math	Science	Math
6	Life Science		Life Science (including basic anatomy)	
7	Physical Science		Physical Science	pre-Algebra
8	Earth Science	pre-Algebra	Earth Science	Algebra 1
9	Introductory Physics	Algebra 1	Accelerated Studies in Physics and Chemistry	Geometry
10	Biology*	Geometry	Chemistry for Accelerated Students	Algebra 2
11	General Chemistry	Algebra 2	Advanced Biology*	Pre-Calculus
12	Optional Anatomy/Physiology*, Apologia Physics*, Environmental Studies*	Optional Statistics, Pre-Calculus	Physics: Modeling Nature <i>OR</i> Molecular Biology*	Calculus

\* these texts are not currently published by Novare Science and Math