

CURRICULUM BY GRADE

Ninth Grade

Below are the standard courses and curriculum topics for Ninth Grade.

Reading/Literature 9

- Daily reading of classic literature from our library or yours
- Log and track your progress

Language Arts 9

- Strengthen, edit, and revise grammar and writing
- Argumentative essays
- Narrative essays
- Creative writing
- Digital presentations
- Improve writing using research, dictionary, and thesaurus
- Cite bibliographic references and sources
- Increase vocabulary and spelling

Math 9 (Advanced Algebra)

- Rational exponents
- Rational and irrational numbers
- Complex numbers
- Solve quadratic equations
- Solve polynomial identities
- Using matrices to solve equations
- Parts of an expressions
- Equivalent expressions
- Rewrite expressions in different forms
- Advanced linear equations
- Graph linear functions and inequalities

History/Social Studies 9

- Geography
- How the Arts effect each culture
- Major world religions
- Effects of the Industrial Revolution
- Bill of Rights
- Natural Law

Science 9

- Physics of motion and forces
- Conservation of energy and momentum
- Heat and thermodynamics
- Waves
- Electric and magnetic phenomena
- Spacetime
- Improve investigative and research skills

Visual/Performing Arts 9

- Dance, music, art
- Drawing (traditional and digital)
- Art projects
- Museum tours

Physical Education 9

- Calisthenics
- Build stamina and flexibility
- Stretching and calisthenics techniques
- Log and track your progress