

# Academics - Sixth Grade

## Language Arts

---

- Vocabulary: spelling, parts of speech, definitions
- Grammar: All parts of speech, explore all forms of writing
- Reading of Novels as a class, forms of poetry
- Writing: Personal Narratives, Creative, Persuasive, Research, and Descriptive Writing pieces, Writing Process explored, Poetry Writing, Writing Portfolio
- Word Master Competition
- Accelerated Reader

## Mathematics

---

### Numbers and Operations

- Proficiency of Computation of Whole Numbers, Decimals, and Fractions
- Proficiency of Estimation of Whole Numbers, Decimals and Fractions
- Proficiency of Order of Operations
- Demonstrate Exponential Numbers
- Demonstrate Computation of Integers
- Appropriate use of Calculators (TI -73) and Computers

### Geometry

- Classify and Describe three - dimensional figures
- Similar, congruent and regular figures
- Construction of Angles and Triangles
- Symmetry
- Coordinate planes

### Measurement

- Customary and Metric Systems
- Formulas — perimeter and area of polygons and circles

### Algebra

- Patterns — Geometric and numerical
- One and two step linear equations
- Properties
  - Commutative (Addition and Multiplication)
  - Associative (Addition and Multiplication)
  - Additive Inverse and Identity
  - Multiplicative Inverse and Identity
  - Distributive Properties

### Data Analysis Probability

- Data collection through question and studies
- Spreadsheet to develop graphs
- Create variety of graphs

## Religion

---

- Old Testament Study
- Connections with the Jewish Faith
- Organizing and Participation of Community Service Projects
- Bible-related studies
- Archdiocesan [Good Touch/Bad Touch](#) program

## Science

---

- The Science Department at St. Francis of Assisi continues to be recognized for excellence in education at the local, state and national levels. The middle school science experience, with its emphasis on exposure to the foundations of core and modern science principles, allows all students to be prepared for the most rigorous of any high school science curriculum.
- A introduction to Life Sciences, Chemistry and Physics in the **6th grade**.
- Special emphasis is placed upon preparing students adequately for both High School in general and High School science specifically in the choice of curriculum material, level of difficulty and skill development. Unique to the science experience at St. Francis of Assisi is participation in the process of independent research for the production of science fair projects in all nine grades, K-8.
- Science Fair is utilized as an important and rich venue for personal exploration, independent study and skill acquisition.
- Direct opportunities or academic support for students who may wish to pursue advanced research projects can be made available.

## Technology

---

- Technology skills include: keyboarding, internet safety, word processing, database, spreadsheet, creation of web pages, using the internet as a research tool, technology decision-making, and use of appropriate electronic tools.
- Integration of content areas including science, language arts, math and social studies
- Internet Safety Program - [I-Safe](#)

## Geography

---

- Countries, forms of government, economic systems, student heritage
- Students actively participate in studying world cultures and countries through differentiated instruction. Project based, hands-on activities include a variety of individual research projects (ex. Heritage Project Booklets and Heritage Festival) and collaborative team projects (ex. Geography Board Game). World Geography content includes a year-long study of various world countries, capitals, important cities, landforms, bodies of water, climate regions, flora and fauna, world religions and

languages, cultural celebrations, forms of government, economy and jobs, natural resources, imports, exports, habitat information, ethnic peoples, famous people, and environmental and humanitarian issues, among many topics.