

Grade 8 Curriculum Overview

RELIGION

- **Our Sunday Visitor**- Alive in Christ Grade 8
- Benziger: Family Life Grade 8
- Weekly Sunday Gospel reflections- Pflaum Visions weekly reader
- Community service
- PenPal program with Parish senior citizens
- Liturgy Involvement
- 1st & 3rd Angel Buddies

LANGUAGE ARTS

- **Pearson My Perspectives** ELA/Literacy program aligned to the Common Core ELA Standards
 - Encompasses Vocabulary, Grammar, Spelling, Composition, and Reading Comprehension through fictional, non-fictional, and informational text
 - Exposure to multiple literary skills and genres
- Accelerated Reader Program – Personalized goals for independent reading practice
- Writing strategies to compose informational, narrative and argumentative text

MATHEMATICS

- **Sadlier-Oxford Foundations of Algebra and Algebra I** aligned to the Common Core Math Standards
- Daily Skill Reinforcement with Simple Solutions Common Core Math
- ALEKS - Assessment and Learning in Knowledge Spaces, web-based resource
- The Number System and Quantities
- Expressions and Equations
- Inequalities and Linear Functions
- Geometry
- Polynomials
- Statistics, Probability, and Logic
- Problem Solving

SOCIAL STUDIES

- Exploration: Age of Exploration, Rise of Modern Capitalism, The Enlightenment
- Road to Independence: American Colonies, Diversity in the Colonies, Conflict with the British, Revolutionary War
- A More Perfect Union: Articles of Confederation, Convention and Compromise, US Constitution
- US Government: Goals of the Constitution, Federal Government, Branches of the Government, Powers and Limitations, Citizen's Rights and Responsibilities
- Federalist Era: Early Presidents and Challenges, The First Political Parties
- Jefferson Era: Republicanism, Expansion of the US- Louisiana Purchase, Life in Early America

SCIENCE

- Hands-On Experiments
- Integration of Science, Engineering and Technology
- Laboratory Techniques
- STEM Practices
- NGSS Aligned Curriculum
- Structure and Properties of Matter
- Atoms and Bonding
- Chemical Reactions
- Waves and Their Applications
- Energy
- Human Body Systems and Health
- Individual and Group Science Projects

ENRICHMENT CURRICULUM

- HSPT- High School Placement Test preparation, overview and testing strategies
- Class trip to Washington DC
- Science Fair
- High School Information Visits
- Student Council
- PAL league sports
- Art, Music, Spanish, and PE
- Electives

TECHNOLOGY

- Internet Safety and Digital Citizenship - Online Safety, Cyberbullying, Copyright, Social Networking
- Computing Basics - iPad Basics, Apps, Keyboarding and mouse skills, Drawing, Word Processing, Presentation, Spreadsheet, Movie production, Graphics
- Information Literacy - Internet search and browsing, Online login, Bookmarking pages, Research, Online tests, Citation
- Project-Based Learning - Cross-curricular
- Computational Thinking - Coding, Robotics, Websites

MAKERSPACE

- Robotics