

# St. Matthew Catholic School

8<sup>th</sup> Grade  
Curriculum  
Overview





# 8<sup>th</sup> Grade Religion

## Curriculum: Areas of Focus

- Pray and act in faith
- Reflect upon the message and values of Christ
- Examine the dynamic teachings of our Catholic in a clear and meaningful way
- Explore the gift of faith and the meaning of the Gospel
- Evangelize the world
- Explore the journey of Church history
- Reflect upon and study the moral teachings of Jesus and the Church

## Life-application

- The Commandments
- The Beatitudes
- Catholic Social Teachings

## School-wide Liturgical Presentations

- Living Rosary
- Living Stations of the Cross

Textbook on iPad: Sadlier  
*We Believe*



## Opportunities for Spiritual Growth

- Daily student-led scripture readings
- Daily student-led prayers
- Prayer before every class in every subject
- Weekly student-led mass
- Feast day celebrations
- Reconciliation twice a year
- 8<sup>th</sup> Grade Spiritual Retreat at St. Mary's University

# 8<sup>th</sup> Grade

# English Language Arts



- 8<sup>th</sup> Grade Honors Program available to qualifying students
- High School Placement Test (HSPT) Preparation
- Literature Analysis Fictional and non-fictional works
  - Examination of justice and prejudice through Catholic Social Teachings
- Writing compositions
  - Persuasive arguments
  - Informational research papers
  - Expository compositions
  - Narratives with poetic techniques and figurative language
- Integrated Grammar Instruction
- Participation in National Spelling Bee <http://spellingbee.com/>
- Integration of iPad Technology: read literature on iBooks, create iMovies, take on-line tests/quizzes, and submit homework assignments electronically through eBackpack

# 8<sup>th</sup> Grade Honors Mathematics: Algebra I

## On-line interactive text book

- *Pearson Digits Program*

Supplemental text

- *Prentice Hall Mathematics*



<http://www.pearsonschool.com/index.cfm?locator=PSZwZ5>

## Learning and Assessment

- Multiple forms of assessment
- Integration Technology
  - iPad apps
  - Mathletics



## Curriculum: Areas of Focus

- Solving Equations and Inequalities
- Introduction to Functions
- Linear Functions
- Systems of Equations and Inequalities
- Exponential and Radical Functions
- Sequences
- Polynomials and Factoring
- Quadratic Functions and Equations
- Exponential Functions and Equations

# 8<sup>th</sup> Grade Mathematics: Pre-Algebra

## On-line interactive text book

- *Pearson Digits Program*

Supplemental text

- *Prentice Hall Mathematics*



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## Learning and Assessment

- Multiple forms of assessment
- Integration Technology
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## Curriculum: Areas of Focus

- Factors, Fractions and Exponents
- Operations
- Ratios, Proportions and Percentages
- Solving Equations and Inequalities
- Rational and Irrational Numbers
- Proportional Relationships, Lines and Linear Equations
- Defining and Comparing Functions
- Using the Pythagorean Theorem
- Surface Area and Volume
- Linear Equations in One Variable
- Reasoning in Geometry
- Simultaneous Linear Equations

# 8<sup>th</sup> Grade Science

Students learn through extensive research investigations in our state-of-the-art science laboratory.



Our science program includes application of the following:

- The scientific method
- Data analysis
- Critical-thinking
- Proper usage of laboratory tools and equipment
- Technology and computers to support scientific investigations.

Web-based interactive text book - *Pearson Realize*

- Pearson App on iPad



Curriculum: Areas of Focus

- **Earth and Space Science studies**
- Scientific investigations and reasoning
- Matter and energy
- Forces, motion, and energy
- Organisms and their environment



# American History: US History, Colonization to Reconstruction

**Students study the history of the United States from English colonization to Reconstruction.**

## **Curriculum: Areas of Focus**

- English Colonization
- The Era of Territorial Expansion
- The American Revolution  
The Growth of Sectionalism
- The New Republic  
The Breakdown of Government
- The War of 1812  
The Civil War and aftermath
- The Era of Good Feeling

## **Textbook on iPad**



## **Incorporation of Strands of Knowledge**

- History
- Geography
- Economics
- Government
- Citizenship
- Culture
- Religion
- Technology

# American History: US History, Colonization to Reconstruction

## Social Studies Skill Development

- Critical thinking
- Communication
- Problem solving skills



## National History Day Competition

- Student-generated product
- Research historical theme
- Create a thesis
- Present findings in a school-wide history fair

<http://www.nhd.org/>