



## GRADE LEVEL CURRICULUM GUIDELINES

### GRADE 5

**ST. MARTIN OF TOURS ACADEMY** is a Catholic parish elementary school whose purpose is to provide students with moral and spiritual formation and a solid academic foundation. Faith, culture and life are brought into harmony through a curriculum and system of education that equips students with skills for lifelong learning. Each student is challenged to internalize values and prepare for life as a committed Christian who contributes to the need for justice, love, and peace in the world.

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### **Religion** (200 weekly minutes)

#### **Sacraments**

- Defines sacrament as an outward sign of God's love for us.
- Identifies the seven sacraments of the Catholic Faith broken down into sacraments of initiation, healing, and commitment.
- Celebrates the sacraments, particularly the Eucharist and reconciliation.
- Understands sacraments as celebrations of life.
- Sees Jesus as the sacrament of God's Presence.
- Recognizes the Catholic Church as the Sacrament of Jesus' presence in the world.

#### **Scripture**

- Studies and prays psalms
- Reads various New/Old Testament scriptures
- Enhances masses by participating and preparing.

#### **Liturgy/Prayer**

- Participates in morning offering and petitions, noon prayer, and afternoon prayer.
- Employs various prayer forms including the traditional prayer.
- Performs the Rosary and Stations of the Cross

#### **Social Justice**

- Makes visits to a convalescent home.
- Assists primary children during monthly masses.

### **Language Arts** (635 Weekly Minutes)

#### **Reading**

- Builds vocabulary through understanding of word structure, use of synonyms, antonyms and homonyms, as well as the use of the dictionary and thesaurus.
- Increases comprehension through prediction, inference, comparison, and the drawing of conclusions.
- Understands cause and effect.
- Differentiates between fact and opinion.
- Identifies story elements as well as author's point of view.
- Employs various reference tools to effectively find information within books, journals, newspapers, and libraries as well as accessing on-line information.

#### **Writing**

- Utilizes writing process strategies: pre-writing, rough draft, proof reading, revising, and final copy.
- Constructs effective writings of varying length to include single and multiple paragraph works.

- Develops writings of different genre to include: comparative, explanatory, expository, personal narrative, persuasive, and story writing.
- Produces a research paper using multiple sources and including the correct citing of sources.
- Writes using captivating wording, correct grammar, and mechanics.

#### **Listening and Speaking**

- Processes oral information in order to formulate thought provoking questions to enhance learning.
- Engages in constructive dialogue.
- Clarifies views with supportive examples.

### **Mathematics** (255 Weekly Minutes)

#### **Number Sense**

- Works comfortably with very large (millions) and very small (thousandths) numbers.
- Utilizes addition, subtraction, multiplication, and division with multi-digit whole numbers and decimals.
- Understands number line placement of integers, decimals, fractions, and mixed numbers.
- Identifies least common multiple and greatest common factor of number pairs.
- Equates proper, improper, and mixed fractions.
- Uses rounding and compatible numbers to estimate.
- Adds and subtracts negative numbers.

#### **Algebra and Functions**

- Constructs and solves simple algebraic expressions with one variable.
- Places ordered pairs in the four quadrants of the coordinate plane.
- Graphs simple algebraic expressions.
- Maps and extends geometric and numeric patterns.

#### **Measurement and Geometry**

- Chooses appropriate unit of measure for weight, length, volume, and temperature.
- Employs correct terminology with regard to line, angle, circle, and three-dimensional rectangular prisms.
- Calculates perimeter and area of a variety of polygons and circles
- Finds the surface area and volume of rectangular prisms
- Explores tessellation, translation, reflection and figure rotation.
- Statistics, Data Analysis, and Probability
- Calculates mean, mode, and median of a given set of numbers.

- Employs appropriate types of graphs to most effectively display data.
- Utilizes graphs to predict trends.

### Mathematical Reasoning

- Deciphers information in word problems to determine means to arrive at its successful solution.
- Utilizes various strategies to problem solve.
- Makes precise calculations and verifies to assure validity.

### Science (170 Weekly Minutes)

#### Physical Science

- Students understand elements, their combinations and how they account for all of the varied types of matter in the world.

#### Earth Science

- Students know water on earth moves between the oceans and land through the process of evaporation and condensation.

#### Life Science

- Knows that all living things are made of cells and use energy to survive.
- Learns that the complex interplay of various systems within the human body enables it to adapt to the constant demands of the external environment.

### Investigation and Experimentation

- Students ask meaningful questions and participate in investigations to develop further understanding of concepts.

### Social Studies (170 Weekly Minutes)

#### History

- Traces earliest migration of prehistoric tribes into North America and their adaptations to the environment.
- Identifies various explorers and their accomplishments.
- Studies include: colonization, independence, government formation, western frontier expansion, and the division of the union.

#### Geography

- Distinguishes various geographic regions within the United States and understands the relationship between human survival and the land.
- Locates the 50 states and identifies their capitals.

### Economics

- Recognizes the significance of trade between Europe and the Americas.
- Studies the economies of the early colonies.
- Analyzes the British debt after the French and Indian War.
- Understands the importance of a dependable monetary system in the young United States.

### Culture

- Sees the USA as a pluralistic society.
- Studies life as an explorer.
- Understands life at the dawn of the Revolutionary War.

### Ethics and Beliefs

- Distinguishes between Puritan, Quaker, and Native American belief systems.
- Contrasts the arguments for and against slavery in the United States.

### Social and Political Systems

- Compares Native American and Colonial American cultures.
- Juxtaposes Matriarchal and Democratic forms of Government.

### COMPUTER (30 Weekly Minutes)

#### Keyboarding

- Increases touch type to 30 words per minute with 80% accuracy
- Emphasizes home row.
- History
- Discusses origins of modern computers.
- Builds technical vocabulary of computers and software.

#### Creativity

- Creates original art work and graphics.

#### Internet

- Comprehends copy write ethics.
- Aware of need for use of Internet safety measures.

### PHYSICAL EDUCATION (90 Weekly Minutes)

#### Exercise and Calisthenics and Sports Skills

- Plays agility games and relay races.
- Takes part in, and learn the rules for, basketball, football, baseball, soccer, track, and volleyball.
- Builds good sportsmanship and teamwork.
- Improves ball skills.
- Develops an understanding for physical health and nutrition.

### FINE ARTS (90 Weekly Minutes)

#### Media

- Uses various media including pencil, ink, crayon, watercolor paint, chalk, and oil pastels.

#### History

- Studies a variety of artists throughout history.
- Emulates simplified versions of various artists' techniques.

#### Music Appreciation

- Sings various songs.
- Uses rhythm instruments.
- Is exposed famous composers and compositions

### FIELD TRIPS

- Simulated moon mission (Rueben Fleet)
- Air & Space Museum Tour
- RM Levy Treatment Plant

### CLASSROOM EVENTS

- International Day
- Heritage Tour “ History in a Trunk” docent

### BOOK LISTS

<u>Once Upon a Crime</u>	Buckley
Harry Potter Series	Rowling
Short and Shivery Series	San Souci
<u>The Lightning Thief</u>	Riordan
<u>The Sea Monsters</u>	Riordan
<u>A Crooked Kind of Perfect</u>	Urban

