Saint James School
6th grade

Religion

By the end of Grade 6, students will:

- Learn about Jesus Christ and their faith through Scripture and Tradition.
- Deepen their understanding of the liturgical year and the celebration of Catholic feasts and seasons.
- Reflect on the Ten Commandments as the laws of God's covenant. Following the commandments and Jesus' teachings help us remain faithful disciples of Jesus Christ.
- Participate in prayer services and the weekly Mass and reflect on passages from the Bible.
- Consider the examples of those who lived their faith with courage, who sacrificed, and who suffered persecution and even death for their faith.
- Study the different ways that people of the Old and New Testaments gave witness to their faith and reflect on ways they will be witnesses to Jesus.

Language Arts

By the end of Grade 6, students will:

In Literature:

- Recognize, define and evaluate story elements: plot, setting, and characters in short stories and novels
- Provide evidence from a piece of literature to support understanding
- Critically read and understand non-fiction
- Read to learn more about God, their faith, and their role in the mission of the Church
- Read for a variety of purposes including for pleasure, obtaining information, enrichment and as a means to becoming a lifelong learner.

In Writing:

- Organize ideas and information in well-developed compositions for various purposes: description, narrative, expositions, and persuasion
- Write a concise summary of a reading selection
- Write a research report, gather relevant information from multiple print and digital sources, using in-text citations with a Works Cited page
- Use Technology to research and to create/produce projects
- Write routinely over extended time frames
- Demonstrate command of the conventions of Standard English grammar when communicating through writing or speaking

In Oral Language:

- Prepare for and participate in a range of conversations and collaborations with diverse partners
- Orally present information, findings, and supporting evidence to an audience

Mathematics

By the end of Grade 6, students will:

- Understand meanings of operations and how they relate to one another to solve real world problems
- Compute fluently with multi-digit numbers and find common factors and multiples
- Represent and analyze quantitative relationships in a variety of ways to solve problems

- Analyze patterns, relations, functions, and change in various contexts
- Represent and analyze mathematical situations and structures using algebraic symbols to determine equivalence and solve problems
- Understand ratio concepts and use ratio reasoning to solve problems.
- Apply and extend previous understandings of multiplication and division to divide fractions by fractions.
- Apply and extend previous understandings of numbers to the system of rational numbers.
- Reason about and solve one-variable equations and inequalities.
- Represent and analyze quantitative relationships between dependent and independent variables.
- Solve real-world and mathematical problems involving area, surface area, and volume.
- Specify locations and describe spatial relationships using coordinate geometry and other representational systems
- Use visualization, spatial reasoning, and geometric modeling to solve problems
- Apply appropriate techniques, tools and formulas to determine measurements to solve real world problems
- Formulate questions that can be addressed with data; collect, organize, and display relevant data to answer them using appropriate statistical and graphical methods
- Analyze data sets to form hypotheses and make predictions
- Develop understanding of statistical variability
- Summarize and describe distributions.

Science

By the end of Grade 6, students will:

In Earth Science:

- Diagram how the structure of Earth includes a crust, mantle, liquid metal outer core, and solid metal inner core.

- Describe how tectonic plates (crust plus upper mantle) move Earth atop a slowly convecting mantle, affecting processes on Earth's land, oceans, and atmosphere.
- Use maps to show that geologic features of Earth's surface are often related to plate tectonic boundaries (e.g., mountain ranges, ocean basins, continents).
- Explain geologic evidence that many Earth processes occurring today (e.g., erosion, sedimentation, volcanism) are similar to those that occurred in the geologic past.
- Identify key parts of the atmosphere (e.g., layers, composition) and hydrosphere (e.g., oceans, ice caps, waters on land).
- Classify and explain examples of how natural and regular Earth events can become natural disasters for humans and describe the causes of those natural events (e.g., earthquakes, floods, tornadoes, hurricanes).
- Describe processes that show interactions in cycles between the geosphere, hydrosphere, atmosphere and biosphere (e.g., rock cycle, water cycle, rock weathering and formation of soil, formation of limestone or coal).
- Describe the water cycle using appropriate terminology and explain conservation and preservation practices.

In Life Science:

- Describe the cause and transmission of bacterial and viral diseases and how to prevent, treat, and cure many diseases.

In Physical Science:

- Describe some characteristic physical properties of substances that are independent of the mass of the substance (e.g. density, boiling point, solubility).
- Show that properties of objects can be measured and recorded with simple tools (e.g. rulers, timers, balances, thermometers).
- Describe the properties of matter.
- Explain that elements react and combine to form new substances with different physical and chemical properties.

- Explain that substances react chemically in characteristic ways with other substances to form new substances with different characteristic properties.
- Describe evidence that in most chemical reactions, energy is transferred either into or out of the system (evidence in heat or temperature, light, mechanical motion, electricity).
- Show that heat can be transferred between objects in predictable ways (flows from hot to cold).

Social Studies

By the end of Grade 6, students will:

Through the study of ancient and medieval cultures students will:

Understand the importance of good citizenship

Understand the similarities and contributions of ancient social groups and institutions

Understand the economy of ancient and medieval cultures

Understand supply and demand

Understand the concepts of, location, place, movement, in relation to geography and the human-environment interaction

Be able to use geographic tools to understand maps and globes

Develop historical thinking skills, including chronological thinking and recognizing change over time

World Language - French

By the end of Grade 6, students will:

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- Have general knowledge of the province of Quebec and Paris
- (culture)
- Be able to conjugate the verb être and use -er verbs in simple sentences (grammar)
- Be able to meet and greet, use numbers, days, months, dates, tell time (speaking)

- Be able to read very basic texts in French (reading and comprehension)

Computer Technology

By the end of Grade 6, students will:

- Demonstrate positive social and ethical behaviors when using technology.
- Successfully and responsibly operate multiple technology devices.
- Use a variety of media and technology resources for directed and independent learning activities.
- Communicate about technology using developmentally appropriate and accurate terminology.
- Use developmentally appropriate multimedia resources and digital tools for problem solving, communication, illustration of thoughts, ideas, and stories, and to differentiate and personalize learning.
- Work independently, cooperatively and collaboratively with peers, to gather information and communicate with others using telecommunications, with support from teacher and/or family members.

Music

By the end of Grade 6, students will:

Art

By the end of Grade 6, students will:

Physical Education

By the end of Grade 6, students will:

- Develop the necessary knowledge and performance skills in a variety of team sports, individual, and lifetime activities
- Demonstrate responsible, personal, and social conduct used in a physical activity setting.
- Demonstrate body strength in many muscle groups.
- Acquire the necessary social skills in order to participate in movement-skill activities
- Develop the awareness and feelings of others/ Become a supportive teammate and classmate

Health

By the end of Grade 6, students will: