**Science**

- Demonstrate an understanding of and be able to practice the basic processes which scientists use to obtain and continually revise knowledge about science.
- Use hands-on approach to investigate/understand life science through laboratory experiments using ruler, hand lens, microscope, scalpel and probe.
- Demonstrate an understanding of the key concepts and principles central to life science - identifying cell, plant, and animal structures, describing cell, plant, animal and environmental processes.
- Explore and investigate the diversity of plants, animals, and many of God’s creatures.
- Diagram and dissect gladiolus, earthworm, crayfish, grasshopper, clam, starfish, perch, and frog.

**Special Curriculum Classes (The Arts)**

**Music**

- Different musical genres including opera, jazz, blues, and world music.
- Sing two-part songs with harmony.
- Play recorders (more notes).
- Famous musical works.
- Option of participating in Choir, Band, or Violin after school.

**Art**

- The elements of art and principles such as color, form, shape, line, space, texture, value, balance, contrast, emphasis, proportion, rhythm, pattern, and unity.

**Technology**

- Beginning Java programming using ePortfolios to capture and organize their work.
- Create and animate effective presentation tools, including PowerPoint, Google Presentation, PowToon and Glogster.
- Learn Internet safety, their Digital Footprints and Online Reputations.
- Learn advanced Internet search techniques.
- Mastering Microsoft Excel becomes a priority, as are presentation tools and personal presentation skills.
This brochure captures the main points of what we offer as part of a rigorous curriculum, focused on whole child development - spiritually, academically and physically - grades Pre-K through Grade 8, laying the foundation for life-long success.

**Religion**
- Identify examples of covenant in the Old Testament as it relates to the New Testament.
- Describe the roles of the Prophets and the message of reconciliation.
- Learn how to be a witness to Christ as were the first Christians.
- Participate in Junior High School Service Night

**English Language Arts (LA)**
- Determine literal meanings from text and make informed inferences by considering main ideas and supporting details.
- Respond to literature expressing their own thinking and using examples from the story to support ideas.
- Understand stories by identifying major literary elements of plot, setting, character and conflict, and figurative language.
- Demonstrate reading understanding by written and oral products and performance.
- Determine pronunciation and meaning of unfamiliar words by using phonics, context, base words, roots, prefixes, and suffixes.
- Read aloud fluently with accuracy and expression, read silently and independently in a variety of genres.
- Select books to read independently at school and home-based on personal needs and interests.

**English Language Arts (LA) (continued)**
- Build vocabulary with “Wordly Wise.”
- Use proper writing mechanics - sentence structure, paragraphing, grammar and punctuation.
- Use graphic organizers, note-taking, and outlining to plan and organize writing.
- Write independently and with peers to edit, revise, and refine written work.
- Paraphrase and synthesize information to prepare written and/or oral presentations
- Present oral reports in the content areas using at least two sources of information.
- Provide meaningful responses during discussions using details and examples.

**Mathematics**
- Use strategies to investigate and understand complex math content.
- Justify thinking through examples and explanations to appreciate “how a problem is solved is as important as the answer.”
- Integrate the language of math in the student’s world.
- Develop number sense and an understanding of our numeration system.
- Investigate properties, patterns, and relationships in sets of numbers.
- Name, describe, model, classify, and compare geometric shapes.
- Develop an understanding of the general measurement process as it involves techniques, tools, and using metric and customary units.

**Mathematics (continued)**
- Use data analysis, statistics, and probability to analyze given situations and outcomes of experiments.
- Recognize patterns and describe relations and functions with tables, graphs, equations, and rules, noting how a change in one changes another.
- Use Singapore Math to explore and model real world situations.

**Social Studies**
- Understand the importance of becoming involved citizens at home, in school, and in the community.
- Understand the basic ideas of government, specifically the United States.
- Compare and contrast our government with that of our Western Hemisphere neighbors.
- Understand basic economic concepts.
- Be aware of trade relationships between the U.S. and the other nations of the Western Hemisphere.
- Understand the geography of the regions of the Western Hemisphere.
- Understand the impact geography plays on society.
- Review the major themes of geography.
- Improve map and globe skills.
- Understand the origins and characteristics of Western Hemisphere countries.
- Develop an understanding and appreciation of the cultures of the Western Hemisphere.
- Understand the relationship between past and current events.