Grade 8 Curriculum

Teachers
Michael Hiddings
Bradley Massey
Alyssa Nett

Principal
Bradley Massey

Pastors
Rev. Daniel Kempin
Rev. Joshua Parsons

505 E Carpenter Street
Midland, MI 48640
989-835-7041
www.sjlmidland.org

Bible Study

- Based on Concordia Publishing House *One In Christ*
- Review key concepts of faith-Law and Gospel, confession, repentance, forgiveness, and grace
- Apply Biblical principles daily
- Emphasize prayer, devotions, and worship
- Learn weekly memory work that supports lessons, based on the Scripture verses and the Catechism
- Worship weekly in a whole school chapel

Language Arts

Reading-Literature

- Read and analyze the elements of Literature in increasingly difficult texts including poems, short stories, novels, drama, modern fiction, informational, myths/legends, classical works, and the Bible
- Provide opportunities to read independently from a variety of genre, analyze and present in a variety of ways, modes, and fashions
- Encourage independent reading through the Accelerated Reading program and book projects

Grammar-Writing

- Determine the audience for a piece of writing
- Develop and master the writing process to compose persuasive, informational, research, narrative, and poetry pieces
- Develop sentence structure by using punctuation, capitalization, proofreading skills, and transitions
- Use knowledge and its conventions when writing, speaking, reading, and listening

Library

- Students are encouraged to choose 1 or2 chapter books to check out each week

Mathematics

Pre-Algebra

- Master the basic operations using fractions and decimals
- Continue the application of proportions and percents
- Continue the study of solutions to equations and inequalities plus their graphs
- Reinforce applications of geometry: polygons, lines, area, volume, right triangles (Pythagorean theorem), trig ratios (sine, cosine, and tangent)
- Introduce polynomials

Algebra

- Provide solutions and graphs of equations and inequalities involving either one or two variables
- Apply proportions
- Introduce functions: direct variation, exponential, quadratic
- Reinforce polynomials and factoring skills
- Develop absolute value, quadratic, and radical equations skills

Science

- Develop skills by using hands-on activities and demonstrations

Physical Science-

- Matter and Atoms
- Chemical Interactions
- Periodic Table
- Motion, Work, and Energy
- Sound and Light
- Electricity and Magnetism

Art

- Develop personal skills and interests
- Study drawing, design, color, painting, sculpture
- Study styles of artists
- Works with a variety of media

American History-

Focus on:

- Revolution and Building a Republic with a Constitution
- U.S. Expansion
- Study how our nation was involved with and was affected, positively and negatively by the Civil War, WWI and WWII
- Discuss our Nation through the current events
- Address many major events between the major topics

Music- Band, Choir, & Hand Bells

- Learn to play as an ensemble, working on balance, intonation, and musical style
- Music Theory and performance
- Sing at church and chapel services as they lead worship
- Perform at several concerts during the year
- Performs in front of judges for the Lutheran School's Music Festival

Physical Education

- Emphasize skills needed for sports
- Provide opportunities to learn about physical fitness and healthy living
- Review the rules for various sports
- Participate in team sports, team play, and fair play

Computers

- Students are issued a school laptop for use in their classrooms; issued a school login and server space for saving files
- use of online website to explore Civics lessons
- Experience media production via creation of Facebook promotional/marketing videos; includes storyboarding techniques and use of video production equipment with green screen
- Exposure to Adobe software suite for video editing, photo editing, and graphics production
- COMPUTER CODING using an online coding website, students learn:
    - use algorithms to program more complex loops, nested loops, and conditionals
    - begin looking at the hard code beneath the functions
    - students build Bluetooth -capable Lego robots and program a course for movement
    - students will create a capstone project