



Northville Christian School

Fifth Grade Learning Chart

This Learning Chart is designed to explain the goals of our instructional program. It shows examples of the goals for students in each subject at your child's grade level. The chart does not list all of the skills children are taught or all of the concepts to which they are exposed. Instead, each section indicates some of the skills the majority of students possess after they have completed that grade level. The rate of progress will depend upon individual differences and teaching styles.

The skills and concepts are listed in separate subject areas on this chart. They are taught in conjunction with one another so that the student can recognize the relationships among the various subjects. Many skills are practiced and improved upon in more than one grade level.

Reading

- Read different types of fiction and non-fiction
- Review and build upon prefixes, suffixes, homonyms, synonyms, antonyms, and abbreviations
- Review and build upon dictionary skills
- Determine the main idea and supporting details
- Strengthen comprehension skills and vocabulary development
- Expand library and research skills; use the encyclopedia
- Analyze characterizations, plot, and theme of a short story

Language Arts

- Review all capitalization and punctuation rules
- Identify and write four kinds of sentences (declarative, exclamatory, interrogative, and imperative)
- Review subject, predicate, simple subject, and simple predicate; use the correct verb tense
- Identify the following parts of speech: nouns, verbs, pronouns, adjectives, adverbs, prepositions
- Write and proofread a paragraph for spelling, punctuation, capitalization, and usage mistakes; find the topic sentence in a paragraph
- Plan, write, and present reports; speak to a group
- Write creative stories, poems, and plays
- Write friendly and business letters; address an envelope properly
- Recognize and use phonics rules
- Apply previously learned spelling skills in daily writing
- Refine cursive handwriting skills
- Review vowel and consonant patterns for dividing words into syllables

Mathematics

- Read and write 9-digit numerals
- Add or subtract 4 and 5 digit numbers
- Know multiplication facts through 12; find the product of two 3 digit numbers
- Know division facts through 12; divide a 3 or 4-digit number by a 2-digit number with a remainder
- Solve story problems using addition, subtraction, multiplication, and division
- Estimate sums, differences, and products by rounding
- Write the simplest form for a fraction; multiply two fractions; add and subtract mixed numbers with unlike denominators with regrouping
- Add and subtract decimals to hundredths; multiply a decimal and a whole number or two decimals in hundredths; write decimals as percents and percents as decimals
- Solve problems involving calendar, time of day, geographic directions and money
- Learn names of basic geometric shapes and solids
- Find the average of two or more numbers
- Understand metric units and applications (centimeter, meter, kilometer, milliliter, liter, gram, or kilogram)
- Find perimeter, area, volume
- Recognize acute, right and obtuse angles
- Solve for variables
- Locate and name points on number lines and coordinate graphs

Bible

- Old Testament survey Genesis-Malachi
- Curriculum recognizes
 - knowledge
 - comprehension
 - application
 - evaluation
- All lessons focus on the development of internal character
- An active prayer life is encouraged
- Memorize designated Scripture

Science

- Continue to develop knowledge of the scientific approach to problem solving
- Identify the structure and function of body systems
- Understand the structure and function of plants and insects
- Learn about geology and how to classify rocks and minerals
- Learn genetics and cell reproduction
- Use lenses and mirrors to explore the properties of light
- Explore the physics of rockets and aircraft
- Identify and compare simple machines

Social Studies

- Study the periods of exploration and colonization that led to the establishment of the United States as a nation
- Learn major events that led to America's independence and the formation of its own system of government
- Study important events in our nation's history from the Revolutionary War to the Civil War
- Become familiar with important land features and basic geography of the Western Hemisphere
- Learn basic map skills
- Develop note taking and outlining skills
- Write a research report

Citizenship & Personal Development

- Put God first as our source of happiness, truth, and worship
- Respect the efforts and feelings of others
- Maintain self control
- Demonstrate a positive attitude
- Finish assigned tasks in allotted time
- Develop an understanding of Christian principles appropriate for this age

Art

- Expose students to a variety of artist and their artwork. Example: Da Vinci and George Seurat
- Increase perception
 - Increase perceptual awareness
 - See shapes and forms as they relate to space and light
- Develop a vocabulary for dealing with a variety of art media: design, composition, variations of light, color, texture, form shape and space
- Increase knowledge and application of tools and materials as they relate to artistic production and experience
- Develop skills in subsequent activities
 - Drawing, painting, sculpture (mache' and clay), art history, and design
- Create various tints and shades to create monochromatic colors
- Students will look closely at different technique using watercolor, pencil drawing with blending stumps and perspective

Computer

- Continue to learn keyboarding skills
- Using a variety of media and formats to create and edit products (brochures, presentations, and documents)
- Create spreadsheets and graphs
- Understand and discuss that web sites and digital resources may contain inaccurate or biased information
- Discuss scenarios involving acceptable and unacceptable uses of technology (e.g., file-sharing, social networking, text messaging, cyber bullying, plagiarism)
- Recognize issues involving ethical use of information (e.g. copyright adherence, source citation)
- Describe precautions surrounding personal safety that should be taken when online

Music

- Learn how to play the recorder, with good tone, technique, and musicality
- Develop music listening skills and exposure to a wide variety of music
- Read and write music (both rhythms and notes)
- Develop an appreciation for all types of music
- Develop performance skills through participation in concerts
- Perform songs in unusual meters
- Improvise rhythm and tonal patterns (on recorder)

Physical Education

- Develop physical fitness (jump rope, exercise, stamina)
- Learn rules for appropriate games
- Develop group/team sport concept & cooperation
- Display Christian sportsmanship when winning or losing
- Enjoy social interaction in activities
- Respect others' talents

Spanish

- Review the Spanish alphabet with emphasis on spelling, dates, weather, and greetings
- Learn numbers through the millions, conversations, telling time
- Appreciate Spanish culture
- Encourage children to feel comfortable speaking a foreign language