

# Northville Christian School

41355 6 Mile Road Northville, MI 48168

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## Fifth Grade Learning Charts

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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.

Learning Charts for each grade level were compiled by the Northville Christian School faculty, in cooperation with the administration, as a helpful guide for parents.

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### Bible

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- 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

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### Citizenship & Personal Development

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- 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
- Memorize designated scriptures

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### Reading

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- 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

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### Social Studies

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- 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

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### Language Arts

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- Review all capitalization and punctuation rules
- Expand grammar skills through Shurley English Method
- 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

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### Science

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- Continue to develop a 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
- Investigate properties of powders and crystals
- Learning basic genetics and cell reproduction
- Use lenses and mirrors to explore the properties of light
- Explore the physics of rockets

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## Mathematics

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- 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

## Spanish

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- Review the Spanish alphabet, colors, gustar, tener, dates, weather
- Learn numbers through the millions, conversations, interrogative words, telling time
- Appreciate Spanish culture with emphasis on South America
- Encourage children to feel comfortable speaking a foreign language

## Physical Education

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

## Music

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- Learn songs for enjoyment, including musical game songs
- Develop an appreciation for various types of music
- Listen and write music by beat value; sight-singing, ear training
- Recognize appearance and sound of instruments: woodwinds, brass, strings, percussion; recognize blend of instrument sounds
- Learn about the history of instruments
- Discuss composers and their music
- Develop performance skills through participation in concerts

## Art

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- Increase perception
  - increase perceptual awareness
  - see shapes and forms as they relate to space and light
- Increase conceptualization
  - develop a vocabulary for dealing with a variety of art media: design, composition, variations of light, color, texture, form, shape and space
- Increase creative experience
  - increase knowledge and application of tools and materials as they relate to artistic production and experience
  - develop interest, openness, spontaneity with the object or experience
- Develop skills in subsequent activities
  - drawing
  - painting
  - sculpture (maché and clay)
  - art history
  - design

## Computer

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- Describe computer related careers
- Continue to use a word processing program
- Enter information into a data base, sort, and save
- Continue to learn the keyboard
- Know correct hand positions
- Learn to use several program groups in Windows