

Elementary Course Catalog



20
YEARS

of Education
Excellence

A TUITION FREE PUBLIC SCHOOL

LandmarkAcademy.net



Find us on
Facebook

MANAGED BY



CHARTERED BY



ACCREDITED BY



4864 Lapeer Ave.
Kimball, MI 48074
(810) 982-7210

Landmark Academy

Elementary Course Guide

Art

K-5 grade students learn class rules, procedures, and art room safety tips. Students work with basic color theory and elements of design. Students are encouraged to create and experience art outside of the classroom to recognize the influence of art in our world.

Music

K-5 grade students explore music with their voices and through instruments and stylistic movement. They begin to build and singing vocabulary and sense of beat and meter, and apply tonal and rhythmic skills to singing, dancing, and playing instruments.

Physical Education

K-5 grade students learn safe practices and class rules/procedures, which build a foundation for successful interpersonal communication during group activities. Students are encouraged to participate in non-structured physical games outside of PE class and begin to recognize the temporary and lasting positive effects of moderate and vigorous activities on their bodies and their health.

Developmental Kindergarten (students turning 5 after September 1 and before December 1 of current school year)

Computers/Technology

Developmental Kindergarten students begin to understand the purpose of computers and technology. Practice appropriate use and how to navigate equipment appropriately and efficiently.

Mathematics

Students in Developmental Kindergarten will develop their skills in...

- Building a number sense for understanding values, quantities place value, and counting
- Counting to 100 by ones and tens
- Counting starting with any number between 0 and 100
- Writing and recognizing numbers from 0 to 20
- Comparing groups of objects or two numbers to decide which is greater than, less than, or equal to
- Solving addition and subtraction stories
- Making combinations of 10 using two numbers
- Understanding 10 (building quantities to make 10)
- Sorting and counting objects
- Naming and comparing shapes
- Explaining if a shape is flat or solid
- Describing how shapes are alike and different
- Building, making and drawing shapes
- Building, extending, and recognizing patterns
- Use descriptive words to understand placement of objects (under, over, below, etc.)

Science

Students in Developmental Kindergarten will develop their skills in...

- Doing simple experiments and asking questions while observing
- Creating simple charts from data and observation
- Understanding weather, seasons, habitats around us
- Making observations using tools to determine the sun's effects on the Earth

- Comparing push and pull
- Understanding force and motion
- Comparing plants and animal needs

Social Studies

Students in Developmental Kindergarten will develop their skills in...

- Understanding past, present, & future
- Applying geographic themes to understand the environment (classroom, home, and playground)
- Understanding the purpose of rules, responsibilities, and self-discipline
- Using economic principles to understand the difference between goods and services, needs and wants, and recognize when they participate in trade
- Identifying a public issue in the classroom; express a position and develop an action plan to inform others about a public issue
- Geography (the use of maps and globes to understand the world)

English Language Arts

Students in Developmental Kindergarten will develop their skills in reading, writing, speaking, and listening...

- Fine motor development (proper pencil grasp)
- Sentence structure understanding (left to right, finger spacing, punctuation, letter, word, sentence differences)
- Letter recognition
- Understanding and recognizing that each letter creates a sound
- Syllables
- Rhymes
- Word building

- Word sounds segmenting
- Reading common familiar words and repetitive texts
- Independence
- Language and vocabulary building
- Self-regulation of needs and wants
- Expressing self appropriately
- Cooperative play
- Following multistep directions
- Practice social cueing to interact with others appropriately
- Using manners

Kindergarten

Computers/Technology

Kindergarten students will have the opportunity to utilize technology to enhance their learning in all core academic subject areas. Teachers and students will use technology to investigate new concepts, practice skills, and demonstrate knowledge.

Mathematics

Students in Kindergarten will develop their skills in...

- Counting to 100
- Quantifying (How many?, putting together, taking apart)
- Connecting numerals with their quantities
- Understanding spatial relationships (directional words)
- Understanding shapes (2D and 3D)
- Comparing and Measuring

- Demonstrating knowledge of number patterns

Science

Students in Kindergarten will develop their skills in the study of science through their natural curiosity in areas that interest them like...

- Physical Science
- Earth Science
- Life Science

The young learners are forming ideas and trying to make sense of the world around them. Kindergarten students will be guided in the process of scientific inquiry through purposeful observations, raising questions, as well as making sense of their observations, investigations, meaning-making practices, and demonstrating their understanding through various activities.

Social Studies

Students in Kindergarten will develop their skills in the social studies disciplines...

- History
- Geography
- Civics and Government
- Economics

...through a very simplistic lens of “Myself and Others.”

English Language Arts

Students in Kindergarten will develop their skills in reading, writing, speaking, and listening by...

- Noticing and discriminating sounds within words (tongue twisters, syllables, rhymes)
- Identifying and naming letters
- Using letter-sound knowledge

- Interacting during read-alouds and book conversations
- Using emergent reading skills
- Retelling stories
- Writing his/her name
- Using and appreciating books
- Listening, understanding, and responding age appropriately to others
- Demonstrating progress in using complex grammar in conversation

First Grade

Computers/Technology

First grade students will have the opportunity to utilize technology to enhance their learning in all core academic subject areas. Teachers and students will use technology to investigate new concepts, practice skills, and demonstrate knowledge.

Mathematics

Students in first grade will develop their skills in...

- Using addition and subtraction within 20 to solve word problems
- Fluently add and subtract within 10
- Learn different strategies to add and subtract within 20
- Read, write and count numbers to 120
- Understanding place value
- Comparing and understanding the lengths of objects
- Telling and writing time to the hour and half hour
- Reasoning with shapes and their attributes
- Understanding and describing equal shares of shapes

Science

Students in first grade will develop their skills in...

- Planning and conducting simple investigations with data collection within the physical, life, and Earth science content. Your child will focus on: physical properties of matter, states of matter, magnets, basic needs of animals, life cycle of animals, observable characteristics passed on from parent to young, solar energy, and weather.

Social Studies

Students in first grade will develop their skills in...

- An integrated approach to social studies through the context of families and schools. This is the first time students are introduced to social institutions as they develop more sophisticated understandings of history, geography, civics and government, and economics.

English Language Arts

Students in first grade will develop their skills in reading, writing, speaking, and listening. They will...

- Retell stories including characters, settings, major events, and key details
- Read different types of text at a first grade level
- Identify the main topic and retell key details of an informational text using text features
- Learn and use first grade level phonics skills including, consonant digraphs, long and short vowels, syllables, and inflectional endings
- Can fluently read first grade sight words
- Decode a variety of words
- Accurately spell grade appropriate words
- Fluently read first grade level text
- Write opinion, informative, and narrative pieces

- Use conventions of Standard English when writing and speaking
- Learn and use first grade level grammar

Second Grade

Computers/Technology

Second grade students will have the opportunity to utilize technology to enhance their learning in all core academic subject areas. Teachers and students will use technology to investigate new concepts, practice skills, and demonstrate knowledge.

Mathematics

Students in second grade will develop their skills in...

- Solve challenging addition/subtraction word problems with one or two steps
- Quickly and accurately add with a sum of 20 or less (e.g., $11+8$); quickly and accurately subtract from a number 20 or less (e.g., $16-9$); and know all sums of one-digit numbers from memory by the end of the year
- Understand what the digits mean in three-digit numbers (place value)
- Use their understanding of place value to add/subtract three-digit number (e.g., $811-367$); add/subtract two-digit numbers quickly and accurately (e.g., $77-28$)
- Measure and estimate length in standard units
- Solve addition/subtraction word problems involving length (e.g., "The pen is 2 cm longer than the pencil. If the pencil is 7 cm long, how long is the pen?")
- Build, draw, and analyze 2-D and 3-D shapes to develop foundations for area, volume, and geometry in later grades

Science

Students in second grade will develop their skills in...

- Second grade students will increase skills for inquiry by making quantitative measurements and organizing data into charts and graphs, which will provide them with evidence for communicating scientific ideas. They will have the

opportunity to plan and conduct simple investigations with data collection within the physical, life, and Earth science content. Your child will focus on: measurement, plant life, Earth's surface features, and uses and properties of water.

Social Studies

Students in second grade will develop their skills in...

- In second grade, students will continue the integrative approach to social studies through the context of the local community. This is the first time students are introduced to a social environment larger than their immediate surroundings. They will draw upon knowledge learned in previous grades to develop more sophisticated understandings while exploring history, geography, civics and government, and economics.

English Language Arts

Students in second grade will develop their skills in reading, writing, speaking, and listening.

- Pay close attention to details, including illustrations and graphics, in stories and books to answer Who, What, Where, When, Why, and How questions.
- Determine the lesson or moral of stories, fables and folktales
- Use text features (e.g., captions, bold print, indexes) to locate key facts or information efficiently
- Write an opinion about a book he/she has read, using important details from the materials to support that opinion
- Write stories that include a short sequence of events and include a clear beginning, middle, and end
- Participate in shared research projects
- Take part in conversations by linking his/her comments to the remarks of others and answering/asking questions to gather additional information
- Retell key information or ideas from media or books read aloud
- Produce, expand, and rearrange sentences

- Determine the meaning of the new word formed when a known prefix/suffix is added to a known word

Third Grade

Computers/Technology

- Third grade students will have the opportunity to utilize technology to enhance their learning in all core academic subject areas. Teachers and students will use technology to investigate new concepts, practice skills, and demonstrate knowledge.

Mathematics

Students in third grade will...

- Use place value to round whole numbers to the nearest 10 or 100
- Fluently add and subtract within 1000
- Quickly and accurately multiply and divide facts within 100
- Recognize and generate equivalent fractions e.g. $\frac{1}{2} = \frac{2}{4}$, $\frac{4}{6} = \frac{2}{3}$
- Compare two fractions with the same denominator by reasoning about their size using $>$, $<$, or $=$
- Measure and estimate liquid volumes and masses of objects using standard units of grams (g), kilograms (kg), and liters (l)
- Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories
- Find area and perimeter of polygons using the given side lengths to find an unknown side length
- Understand that shapes in different categories (e.g. rhombuses, rectangles, and others) may share attributes (e.g., having four sides), and that the shared attributes can define a larger category (e.g., quadrilaterals)

Science

Students in third grade will...

- Continue building their inquiry and investigation skills through the use of observation and data collection. The content expectations for third grade science students present high interest content that leads to investigations, data collection, raising questions, and the identification of current problems in the environment that society faces on Earth. Your child will focus on: Measurement, Force and Motion, Light and Sound, Structures and Functions of Living Things, Natural Resources, Human Impact, Earth Surfaces and changes.

Social Studies

Students in third grade will...

- In third grade students explore social studies disciplines of history, geography, civics and government and economics through the context of Michigan studies. Building on prior social studies knowledge and applying new concepts of each social studies discipline to increasingly complex social environment of their state, the third grade content expectations prepare students for more sophisticated studies of their country and world in later grades.

English Language Arts

Students in third grade will develop their skills in reading, writing, speaking, and listening.

- Pay close attention to details, including illustrations and graphics, in stories and books to answer Who, What, Where, When, Why and How questions
- Recount stories, determine the main idea and identify details
- Use text features (e.g., captions, bold print, indexes) to locate key facts or information efficiently
- Write an argument to support claims in an analysis of a topic
- Write opinion pieces on topics or texts, supporting a point of view with reasons
- Produce clear and coherent writing, with correct grammar and punctuation

- Write stories that include a short sequence of events and include a clear beginning, middle, and end
- Participate in shared research projects
- Research and report on a topic and present the project creatively to peers

Fourth Grade

Computers/Technology

- Fourth grade students will have the opportunity to utilize technology to enhance their learning in all core academic subject areas. Teachers and students will use technology to investigate new concepts, practice skills, and demonstrate knowledge.

Mathematics

Students in fourth grade will develop their skills in...

- Fluently solving multi-digit multiplication up to 4 digits by 1 digit and 2 digit by 2 digit. (456×7 & 45×65)
- Solving long division problems with & without remainders up to 4 digit by 1 digit ($456/6$)
- Understand what the digits mean & their value up to millions (place value)
- Identify, measure, & sketch angles
- Write an equation with an unknown ($4 \times a = 16$)
- Convert & identify measurement in standard & metric units
- Convert a mixed fraction to improper fractions & improper to mixed fraction
- Generate equivalent fractions & generate decimals up to the tenths place
- Add & subtract & multiply fractions
- Classify parallelograms based on their features such as parallel line, perpendicular lines, angles, and symmetry
- Find area & perimeter of a rectangle

Science

Students in fourth grade will develop their skills in...

- Knowing the basic needs of living things
- Identifying animal adaptations & ecosystems
- Identifying the Earth, Sun, & Moon's features and place in the universe
- Describing how fossils are artifacts of living things
- Explaining how heat energy and electricity work, including creating a working electrical circuit
- Explain the states of matter & how they change states

Social Studies

Students in fourth grade will develop their skills in...

- Geography: including classifying regions, reasons for migration & immigration
- Civics & Government: including the structure of the US government, and citizens' rights & responsibilities
- Economics: including supply & demand and features of a market economy
- History of Michigan: including economic activities, growth, & life in Michigan past statehood

English Language Arts

Students in fourth grade will develop their skills in reading, writing, speaking, and listening.

- Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text
- Explain major differences between poems, drama, and common writing, and refer to the structural elements of poems and drama (e.g., casts of characters, settings, descriptions, dialogue, stage directions) when writing or speaking about a text

- Compare & contrast the treatment of similar themes and topics and patterns of events (e.g., the quest) in stories, myths, and traditional literature from different cultures
- Determine the main idea of a text and explain how it is supported by key details; summarize the text
- Describe the overall structure (e.g., chronology, comparison, cause/effect, problem/solution) of events, ideas, concepts, or information in a text or part of a text
- Write opinion pieces on topics or texts, supporting a point of view with reasons and information
- Write informative/explanatory texts to examine a topic and convey ideas and information clearly
- Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences
- Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher led) with diverse partners on grade 4 topics and texts, building on others' ideas and expressing their own clearly

Fifth Grade

Computers/Technology

Fifth grade students will have the opportunity to utilize technology to enhance their learning in all core academic subject areas. Teachers and students will use technology to investigate new concepts, practice skills, and demonstrate knowledge.

Mathematics

Students in fifth grade will develop their skills in...

- Understanding the place value system
- Writing and interpreting numerical expressions
- Performing operations with multi-digit whole numbers and with decimals to hundredths

- Using equivalent fractions as a strategy to add and subtract fractions
- Applying and extending previous understanding of multiplication and division to multiply and divide fractions
- Converting like measurements within a given measurement system
- Representing and interpreting data
- Understanding concepts of volume and relating volume to multiplication and to addition
- Graphing points on the coordinate planes to real world and mathematical problems
- Classifying 2-D figures into categories based on their properties

Science

Students in fifth grade will develop their skills in...

- Inquiry by making quantitative measurements and organizing data into charts and graphs, which will provide them with evidence for communicating scientific ideas
- They will have the opportunity to plan and conduct simple investigations with data collection within the physical, life, and earth science content
- Your child will focus on: Physical Science: forces of motion, Life Science: organization of living things, heredity, and evolution, Earth Science: Earth systems and earth in space and time

Social Studies

Students in fifth grade will develop their skills in the early history of the United States...

Beginnings to 1620

- American Indian Life in the Americas
- European Exploration
- African Life before the 16th Century

- Three World Interactions

Colonization and Settlement (1585-1763)

- European Struggle for Control of North America
- European Slave Trade and Slavery in Colonial America
- Life in Colonial America

Revolution and the New Nation (1754-1800)

- Causes of the American Revolution
- The American Revolution and its Consequences
- Creating New Governments and a new Constitution

English Language Arts

Students in fifth grade will develop their skills in...

- Determining the main idea of a text and explain how they are supported by the key details; summarize the text
- Drawing information from multiple print or digital sources, demonstrating the ability to locate an answer to a question quickly or to solve a problem efficiently
- Read and comprehend grade appropriate literature and informational text independently proficiently
- Writing an opinion piece on topics or texts, supporting a point of view with reasons and information
- Writing informative text to examine a topic and convey ideas and information clearly
- Writing narratives to develop real or imagined experiences or events
- Producing clear and coherent writing in which development and organization are appropriate to task, purpose, and audience

