

Saint Michael School
80 Maple Avenue
North Andover, MA 01845



Phone (978) 686-1862
Fax (978) 688-5144
st-michael@comcast.net
www.SaintMichael.com

GRADE 1 CURRICULUM

[Mathematics](#)

[Science](#)

[Language Arts](#)

[Social Studies](#)

[Religion](#)

[Spanish](#)

[Art](#)

[Computer](#)

[Physical Education](#)

GRADE 1: MATHEMATICS

The First Grade Mathematics Program is a success oriented program that enables the students to develop a solid foundation in both the language and basic concepts of all areas of mathematics. The curriculum through Houghton Mifflin Series provides activities and language appropriate for the first grade level. Skills presented in a lesson are met again throughout the year for reinforcement and practice.

OBJECTIVES

Number Sense

Students will be able to:

- Identify numerals 1-100
- Name numerals 1-10
- Order numbers smallest to greatest
- Identify fractions $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$ and be able to show what they mean
- Compute word problems
- Count by 1's, 2's, 5's, 10's
- Measure by inches
- Tell time to the hour and half hour
- Know the value of money and how to count it
- Graph data
- Recognize and be able to continue patterns and sequences
- Identify odd and even numbers
- Identify grouping property of addition
- Learn doubles and doubles plus one
- Use strategies to demonstrate knowledge of addition/subtraction facts

Addition

Students will be able to:

- Add one digit numbers
- Add two digit numbers
- Write number sentences to match word problems
- Identify math fact families
- Learn doubles plus one facts
- Introduce place value
- Learn the meaning of zero

Geometry

Students will be able to:

- Know geometric terms
- Measure angles
- Construct angles
- Identify plane figures
- Recognize symmetry
- Recognize slides, flips and turns of a shape

Measurement

Students will be able to:

- Measure length in standard and metric forms
- Estimate length in standard and metric forms
- Determine time and elapsed time
- Calculate the perimeter of a shape using manipulatives
- Calculate the area of a shape using manipulatives
- Determine the volume of a 3 dimensional figure using manipulatives

Tables and Graphs

Students will be able to:

- Analyze, use and construct a line graph
- Analyze, use and construct a bar graph
- Analyze, use and construct a pictograph
- Analyze, use and construct a ten frame
- Analyze, use and construct a whole and part work mat
- Read a coordinate graph

TEXT/MATERIALS

- Smartboard
- Manipulatives
- Rulers
- Coins
- Houghton Mifflin Math Student Book
- Houghton Mifflin Math Practice Books
- Houghton Mifflin Math Daily Routines Flip Chart
- Houghton Mifflin Math Unit Resource Folders
- Work mats
- Text book online
- iPads
- A variety of picture books are used to supplement topics of study
- Websites and programs that coordinate with topics of study
- Teacher made worksheets and assessments
- A variety of school supplies such as crayons, pencils, construction paper, etc.

INSTRUCTION

The teacher will:

- Oversee Math Meeting
- Review facts by using daily math sheets
- Introduce the lesson
- Use Smartboard to present and practice concepts with children
- Assess student progress through tests, quizzes, etc
- Distribute manipulatives to reinforce the lesson
- Conference with children about their worksheet
- Assign homework which coincides with the day's lesson

*Prepared by Catie Piessens and Judith Beaudry
May 2015*

GRADE 1: SCIENCE

In First Grade, children are introduced to the study of science through observation and experimentation. Children are encouraged to make predictions and question outcomes as a scientific process. Children receive instruction through audio, visual and hands-on techniques.

OBJECTIVES

Life Science

Plants

Students will be able to demonstrate an understanding of the following:

- living things grow and nonliving things do not grow
- plants have leaves, stems and roots to help them grow
- the parts of a plant
- fruits and flowers have seeds that grow into new plants
- plants grow and change
- plants live in many places

Animals

Students will be able to demonstrate an understanding of the following:

- mammals, birds, reptiles, amphibians, fish and insects as groups of animals
- animals need food, water, air and shelter to live
- herbivores eat plants and carnivores eat meat
- the life cycle of animals
- animals adapt to their habitats
- the food chain and how plants and animals are affected by change in their habitat

Earth Science

Earth

Students will be able to demonstrate an understanding of the following:

- earth is covered by continents and water
- most of the earth is covered by either salty ocean or by fresh water located in rivers, streams and lakes
- mountains are high land , valleys are low land and plains are flat land
- rocks have different shapes, sizes and colors because they are made of different minerals
- water and plants can break rocks through the process of weathering and that erosion changes the shape of the land
- natural resources are used by people in different ways
- soil is a natural resource that can be used to grow plants and make objects from clay
- people, plants and animals need clean water and air and that pollution and make people and other living things sick
- natural resources can be conserved by reusing, reducing, and recycling materials

Weather

Students will be able to demonstrate an understanding of the following:

- weather is all around us and that there are different tools to measure the weather conditions
- different seasons
- the sky is above us and the sun provides heat and light
- the earth rotates, spins and moves around the sun
- the moon and planets

Physical Science

Matter

Students will be able to demonstrate an understanding of the following:

- matter is what makes up all things and can be observed and described by its properties
- mass is the amount of matter in any object
- a balance can measure mass
- solids have a defined shape and fixed amount of matter
- properties of solids: size, texture, shape, flexibility and color
- liquid is a form of matter and that it has no fixed shape and will take the shape of the container
- a gas is a form of matter and that it has no fixed shape and will expand to fill its space
- shape and properties of a solid can be changed
- some mixtures can be separated and some mixture cannot be separated
- freezing changes liquids to solids and melting changes solid to liquids
- heat causes water to evaporate into a gas and cooling changes the gas back into a liquid

Motion and Energy

Students will be able to demonstrate an understanding of the following:

- objects move in many ways and at different speeds
- pushes and pulls are forces that put things in motion
- simple machines, such as levers and ramps, help people do work by making it easier to move things
- heat energy from the sun, burning fuel and friction all make things warm
- sound is a form of energy made by vibrating objects and can vary in volume and pitch
- light is energy that allows people to see
- light comes from the sun, other stars, and objects made by people
- electricity is a form of energy that gives things the power to work

Health

Students will be able to demonstrate an understanding of the following:

- skeletal system: skeleton, bones, skull
- muscular system: muscles
- digestive system: mouth stomach
- the circulatory system: heart and blood
- the nervous system: brain, nerves
- ways to take care of their bodies: exercise, cleanliness, healthy foods, and rest
- ways to stay safe indoors and out
- healthy food choices by learning about the food pyramid

TEXT/MATERIALS

- McGraw-Hill – Science A Closer Look-Teacher Edition
- McGraw-Hill-Science A Closer Look-Student Edition
- McGraw-Hill-Science A Closer Look-Activity Flipchart
- McGraw-Hill-Science A Closer Look-Key Concept Cards and Voc. Cards
- McGraw-Hill-Science A Closer Look-Visual Literacy
- McGraw-Hill-Science A Closer Look-Building Skills Assessment
- McGraw-Hill-Science A Closer Look-Reading and Writing
- McGraw-Hill-Science A Closer Look-Activity Lab Book
- McGraw-Hill-Science A Closer Look-Building Skills Math
- McGraw-Hill-Science A Closer Look-Grade1 Materials Kit
- McGraw-Hill-Science A Closer Look-Grade1 Music CD
- Children’s picture books such as the Let’s-Read-and-Find-Out Science Series, HarperCollins Publishers
- Videos such as the Magic School Bus Series
- Smartboard
- iPad
- Text online
- A variety of school supplies such as crayons, pencils, construction paper, etc.

INSTRUCTION

Teachers will:

- use videos, Smartboard, and books to present lessons
- lead students in class discussion
- present lessons through lectures, small group, class discussions
- assess students’ progress through tests, projects, activities

*Prepared by Judith Beaudry
January 2015*

GRADE 1: LANGUAGE ARTS

The purpose of the first grade language arts program is to enable the student to utilize reading strategies through phonemic awareness, decoding skills and pictorial cues. Through varied types of literature the student will evaluate, predict and question. The student will develop an understanding of language through listening, speaking and written expression. The program has integrated a rich vocabulary within each unit. The student will also learn basic grammar skills. Skills are developed and reviewed throughout the year.

OBJECTIVES

Reading/Literature

Understanding a Text and Making Connections

Students will be able to:

- develop a systematic approach to read words through letter sound correspondence through Lively Letters
- develop success with phonemically controlled literature
- develop an understanding of how language works
- make phonemic predictions using prior knowledge
- make predictions in a story to assess the outcome
- retell a story's beginning, middle and end
- recognize high frequency words
- be able to match frequently used oral words to printed words
- read aloud with age appropriate fluency
- identify context cues from illustrations
- listen to teacher-read stories for strategies and enjoyment

Genre

Students will be able to:

- identify forms of literature: poetry, fiction and nonfiction
- acquire knowledge of simple fables, fantasy, traditional stories

Theme

Students will be able to:

- relate literary themes to personal experiences
- identify the characteristics of plot, character, and setting of a story
- restate main ideas and details of a text

Style and Language

Students will be able to:

- understand the author's intent

Writing

Composition

Students will be able to:

- write in complete sentences
- write stories that have a beginning, middle, and end
- complete a cloze sentence

Language Mechanics/Grammar/Correct Usage

Students will be able to:

- identify and apply correct features of a sentence; capitalization, sentence structure and punctuation
- understand word order in a sentence
- print letters legibly and use them to make words
- separate words with spaces
- identify different forms of punctuation

Vocabulary Development

Phonics

Students will be able to:

- correctly spell high frequency words
- apply grammatical rules for spelling with help of Lively Letters
- use age appropriate dictionary to aid in correct spelling of words
- orally demonstrate consonant sounds, long and short vowel patterns, blends, diphthongs, digraphs, word families, syllables, sight words and rhyming words

Speaking and Listening

Students will be able to:

- share orally their written work
- read printed material orally: individually, as a group, and with a partner
- listen to books on tape/CD

TEXTS AND MATERIALS

- Reading Street, Textbook
- Reading Street, Practice Book
- Reading Street, Big Books
- Reading Street, Instructional Tests
- Reading Street, Benchmarks
- Zaner-Bloser, Handwriting
- John Collins Writing
- Modern Learning Press, Words I Use When I Write
- Storybook paper
- Word Wall
- Leveled Reading Books
- Decodable Books
- Poems
- Journals
- Books on Tape/CD
- Classroom Library
- Computer Software
- Learning Centers
- Smartboard
- iPad
- Text online
- Lively Letters Series
- Accelerated Readers Program
- A variety of picture books are used to supplement topics of study
- A variety of school supplies such as crayons, pencils, construction paper, etc.

INSTRUCTION

The teacher will:

- Present lessons through lectures, small group and class discussions
- Assess students' progress through activities, homework, worksheets, assessments, benchmarks, etc.
- Present lessons on Smartboard
- Use iPads to support lessons
- Use iPads to administer assessments (Accelerated Reader)

*Prepared by Judith Beaudry and Catie Piessens
May 2015*

GRADE 1: SOCIAL STUDIES

The first grade social studies program through Macmillan/McGraw Timelinks Series teaches geography, history and citizenship. These are taught through map skills and the connection between geography and history. The focus is on past and present people, places and events. Active citizenship is attained by addressing community involvement.

OBJECTIVES

Geography

Students will be able to demonstrate an understanding of the following:

- parts of a map and the key
- the seven continents
- directions on a map
- differences between maps and globes
- major oceans
- the equator, north/south pole, northern and southern hemisphere
- a compass
- different forms of geography such as mountains and plains
- rural, urban and suburban areas

Early Civilizations

Students will be able to demonstrate an understanding of the following:

- concept of a civilization
- the importance of agriculture and cities in making civilization prosper

Early Civilizations of the Americas

Students will be able to demonstrate an understanding of the following:

- early settlers and explorers
- the pilgrims at Plymouth and the first Thanksgiving

Early Exploration and Settlement

Students will be able to demonstrate an understanding of the following:

- story of Christopher Columbus'
- the Fourth of July
- George Washington & Abraham Lincoln
- this country's capital as Washington D.C
- the national symbols as American flag, Statue of Liberty and bald eagle

Symbols and Figures

Students will be able to:

- identify national symbols
- know the current United States president
- understand basic structure of US government
- analyze why jobs and services are important to our country and community
- list service and volunteer jobs as well as community helpers
- understand the value of money
- describe important rules and describe why the rules have been created

TEXT/MATERIALS

- Macmillan/McGraw-Hill Student Books
- Macmillan/McGraw-Hill Student Practice and Activity Book
- Macmillan/McGraw-Hill Assessment
- A variety of picture books are used to supplement topics of study
- Atlas and globes
- Websites and programs that coordinate with topics of study
- Teacher made worksheets and assessments
- A variety of school supplies such as crayons, pencils, construction paper, etc.

INSTRUCTION

The teacher will:

- Present lessons through lectures, small group and class discussions
- Assess students' progress through activities, worksheets, assessments, etc.
- Facilitate role-play during certain topics of study
- Use smartboard to support lessons

*Prepared by Catie Piessens
January 2015*

GRADE 1: RELIGION

The children in the first grade will develop awareness that God loves them. A knowledge of God as Our Father and Friend will be achieved through scripture, song, picture books and videos.

OBJECTIVES

Doctrine

Students will:

- Learn that God, our Creator made us and loves us and all of creation
- Explain that God's greatest gift is Jesus
- Name Joseph as Jesus' foster father
- Know that Jesus died on Good Friday
- Learn Jesus is with us to help us through the Holy Spirit who gives us peace, love and joy
- Understand that Jesus taught us how to pray
- Know God always forgives us if we are sorry
- Name the Church as God's family
- Understand at Baptism we become members of this family
- Learn saints are guides in God's family

Morality

Students will:

- Know Jesus came for the poor. We owe respect to the poor as God's children
- Understand that we belong to God's family, the Church. We work as God's people to give respect, love and care to all people because of their human dignity
- Learn that we are all different and we have different and special gifts which are from God
- Appreciate themselves and their uniqueness.
- Learn that we are created in God's image
- Understand that we should treat others with respect to grow more like God

Scripture

Students will:

- Know God loves me always
- Learn that Jesus is our friend
- Trust in God
- Read the story of the creation
- Understand that God made the world and depends on us to care for it
- Know that Mary is Jesus' mother and our mother, too
- Learn about the Annunciation
- Learn that God cares for us through others: our parents, families, teachers, etc.
- Understand that Jesus asks us to care for others
- Know that Jesus shares the Spirit with us
- Remember Jesus' special meal at Mass
- Read the Gospel stories like the Good Samaritan and the parables and cures of Jesus

Prayer and Worship

Students will be able to:

- Pray with words, song and gestures and silence
- Learn morning and evening prayers
- Use spontaneous prayer
- Recite the blessing at mealtimes
- Make the Sign of the Cross
- Pray the Our Father, Hail Mary, Glory Be to the Father
- Listen to Bible stories
- Celebrate liturgical seasons
- Participate in liturgy
- Explain that peacemakers bring about reconciliation
- Recite simple responses at Mass

TEXT/MATERIALS

- Silver Burdett Ginn, *Blest Are We*, textbook
- Silver Burdett Ginn, *Blest Are We*, activity book
- Silver Burdett Ginn, *Blest Are We*, music CD
- Rosary beads
- Arch Books and picture books to supplement topics
- Teacher made assessments and worksheets
- A variety of school supplies such as crayons, pencils, construction paper, etc.
- Leaflet Missal Company, *Popular Saints*, coloring book

INSTRUCTION

The teacher will:

- Use the various methods of instruction, such as reading and videos to introduce the children to the concepts
- Lead the students in prayer and discussion

*Prepared by Judith Beaudry and Catie Piessens
May 2015*

GRADES 1, 2 AND 3: SPANISH

The purpose of the Spanish program for grades 1-3 is to introduce students to the basics of the Spanish language and to build a vocabulary base. While learning a language encompasses the skills of listening, speaking, reading and writing, this level of Spanish will focus primarily on the listening and speaking skills, with occasional reading of words or sentences as students advance. Cultural information will be discussed (primarily in English at this level); culture cannot be separated from language.

The language is taught to maximize comprehension – the language will be used in context and understandable. Songs, gestures, props, rhymes, chants, and other audio visual aids will be used extensively – much in the way the students learned their first language. Repetition and review are essential to build a solid base for future study of the language. Students will be challenged to use vocabulary at a higher level in each subsequent grade (e.g., incorporate simple math concepts when reviewing numbers with the older students; ask older students to write the Spanish words).

Spanish classes for grades 1-3 meet once a week (30 minutes) for two terms of the academic year.

TOPICS/OBJECTIVES

Students will be able to:

- Use greetings and salutations
- Count from 0-30
- Respond simply to “How are you?”
- Say/sing the days of the Week
- Say the months of the year
- Recite/sing the alphabet and use in spelling
- Describe colors
- Use adjectives: tall, short, big, small, etc.
- Use adverbs: fast, slow, etc.
- Identify body Parts – head, hair, finger, hand, throat, stomach, arm, feet, leg, nose, eyes, mouth
- Identify family Members: mother, father, brother, sister, grandmother, grandfather, aunts/uncles, cousins (3rd grade)
- Describe basic locations: school, house, park, movie theater, supermarket, apartment
- Use basic weather (3rd grade)
- Describe basic food items
- Identify animals: cat, dog, elephant, monkey, bear, cow, horse
- Respond to basic commands (3rd person singular): stand up, sit, cry, yell, smile, laugh, jump, run, walk, fall down
- Recite the Pledge of Allegiance in Spanish (3rd grade)
- Retell short stories in Spanish (3rd grade), either individually or in pairs/groups

RESOURCES

- *Sing, Dance, Laugh and Eat Tacos* CD series by Barbara MacArthur
- Various Internet resources (i.e. YouTube song videos, teacher resources)
- SeñorWooly.com materials
- TPRS resources (Blaine Ray, Carol Gaab, and other authors), including teacher guides and on-line forum
- Teacher's personal library of authentic rhymes and children's songs
- Flash cards, teacher-generated manipulatives and realia
- Teacher iPad/Apple TV (where available)
- Authentic music from teacher's music library

INSTRUCTION

The teacher will:

- Introduce the song/chant/rhyme/gestures/music/video to the students and continue to practice and recycle the material
- Use Smartboard for presentation of materials
- Use iPad and other applications to assist in creation and presentation of materials
- Provide handouts to students
- Use Spanish predominantly in class

*Prepared by Amy O'Leary, Spanish Teacher
January 2015*

GRADE 1: ART

The purpose of the Art program is to allow the student to learn about art from hands-on experience and the study of well-known artwork. In this program, there is an application of art to other aspects of the student's life and studies. This is achieved through art projects, lectures, classroom discussion and reflection on both student artwork and the work of famous artists.

OBJECTIVES

The Elements of Art

Students will:

- explore line drawing as a means of expression and description.
- create textures with mixed media.
- identify shapes within objects and create object from many shapes.
- understand the concept of landscapes and their inherent shapes.
- learn basic color theory and apply to a picture incorporating rainbow colors.
- understand concept of symmetry, identifying symmetry in nature.
- explore the difference between 2D and 3D art.
- create through observation 3D objects from clay

Art in Culture and Nature

Students will:

- Discover art from different periods in art history.
- Through mimicking recreate the works of famous artists dealing with landscape, still-life, and portrait.
- Create works of art surrounding the holidays using both 2-D and 3-D media.
- Understand and appreciate that art from different cultures looks different and can have different meaning.

Art and History

Students will:

- Appreciate the work of the impressionist artists.
- Look at and recreate artwork from the far East.
- Create work based on modern American culture that speaks to today's society.

Art Experiences

Students will:

- discover a variety of traditional materials and techniques used to create 3D objects including but not limited to modeling clay and papier mache.
- experiment with media from everyday life such as aluminum foil, paper towel rolls and corrugated cardboard.
- learn the concept of still life and create artwork form a still life.
- apply knowledge of art elements to new projects.
- learn about famous artists such as Grant Wood, Georgia O'Keefe, and Paul Klee and identify major features of their work, incorporating these features into their own art.
- recognize special times of the year such as Thanksgiving, Christmas and the seasons. They will create artwork that is reflective of the season.
- access their imagination using art as a means for storytelling and creating a visual narrative.

MATERIALS

- Art posters
- Library books
- Art reference materials in classroom.
- Art Media: pencils, oil pastels, paint, clay, soft pastels, crayons, Model magic, paper
- Smartboard
- PowerPoint presentations/slide shows

INSTRUCTION

Teacher will use lecture and practical demonstration to prepare students for projects. Once the students confirm they understand project, they will proceed to create artwork. When time allows, a few minutes at the end of class will be spent in “Presentation” providing students the opportunity to present artwork and discuss how it was created.

*Updated by Jeff Moses
October 7, 2014*

GRADE 1: COMPUTER

The purpose of the computer curriculum for grade one is to teach appropriate computer terms, introduce the keyboard and to practice grade level skills using available software. Students come to the computer lab once a week for 30 minutes and work with the computer teacher.

OBJECTIVES

Students will be able to:

- Login and logout of the computer network.
- Identify the parts of a computer and operate the keys necessary to use the computer as a learning tool.
- Identify the parts of an iPad and operate the touch screen necessary to use the iPad as a learning tool.
- Use home row keys
- Use appropriate function keys
- Save, print, format and insert graphics into simple Microsoft word documents.
- Use internet skills to search safely

MATERIALS

- Dell Core i5, there is one for each student. Each student computer has a 17 inch monitor, keyboard, mouse and headphones.
- Smart Board
- Apple iPad Air

SOFTWARE

- Microsoft Office
- Apple Apps

INSTRUCTION

The teacher will:

- Use direct instruction and demonstration of software to present lesson. This can include Smartboard and/or other available technology
- Facilitate classroom discussion related to material being presented
- Oversee students as they work independently

*Updated by Kerrie Abate
October 10, 2014*

GRADES K-2: PHYSICAN EDUCATION

The purpose of the physical education program for grades K-2 is to introduce locomotor skills and general body awareness. This is accomplished through individual and team based activities.

OBJECTIVES

Students will:

- Learn different locomotor skills (hopping, skipping, galloping, etc.)
- identify space awareness (personal space)
- develop coordination skills with hand-eye, kicking, batting, throwing
- learn cooperative games for team work.

MATERIALS

- outside play area covered with Field Turf
- outdoor basketball court, indoor basketball court, and playground
- multicolored disks and cones
- rubber dots and bases
- multicolored pinnies
- basketballs, soccer balls, floor hockey sticks, playground balls, tennis balls,
- wiffle balls, etc.
- cd player

INSTRUCTION

Students in Kindergarten come to Phys. Ed. twice a week for 30 minutes. The first class will consist of a teaching class and the second class will be a playing class. Students in grades 1-2 come to Phys. Ed. once a week for 40 minutes. Class begins with the students in their warm-up lines. After warm-ups students meet in the middle of the play area to hear instructions for the activity. Class is ended with a 2-3 min. overview of the lesson and a cooling off period before they head back to class.