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KINDERGARTEN CURRICULUM

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KINDERGARTEN: MATHEMATICS

The purpose of the Kindergarten Math program is to provide the kindergarten children with daily exposure to age-appropriate math concepts and operations. A multi-sensory approach is used to make basic abstract math concepts familiar, concrete, and relevant.

OBJECTIVES

Number Concepts

Students will be able to:

- Identify numbers 0-30
- Identify numerals 0-30
- Show the value of numbers 0 - 30
- Learn correct written formation of numerals 0-30
- Count to 100 by 1's, 5's & 10's
- Count to 30 by 2's

Positions & Patterns

Students will be able to:

- Identify Top, Middle, Bottom
- Identify Inside, Outside
- Identify Before, After, Between
- Extend color patterns
- Extend shape patterns
- Identify and create an ABAB, AAB, ABB, ABC pattern
- Create patterns using manipulatives

Shapes & Sorting

Students will be able to:

- Identify circle, square, rectangle, triangle, oval
- Build pictures using shapes
- Identify sphere, rectangle prism, cylinder and cube
- Identify: Alike and different
- Sort items by size, shape and color

Measurement

Students will be able to:

- Compare height
- Compare length
- Compare weight
- Compare capacity
- Compare size and shape
- Compare more/less
- Read and create a graph

Money and Time

Students will be able to:

- Identify and know value of a penny, nickel, dime, quarter
- Tell time on the hour and half hour
- Learn the days of the week
- Learn the months of the year
- Use a daily calendar

Computation

Students will be able to:

- Explore the concept of addition
- Explore the concept of subtraction
- Build addition and subtraction sentences

TEXT/MATERIALS

- Houghton Mifflin
- Manipulatives
- Library Materials
- Computer
- I-Pads
- Journals
- Smartboards

INSTRUCTION

The teacher will:

- Present lessons through instructions, class discussions, etc.
- Place students into small and large groups for instructions and activities
- Create cooperative learning groups within the class
- Provide storytelling to introduce a concept
- Assess student progress through class work and class participation.
- Assign homework which coincides with daily work and review lessons
- Provide extra practice for students.
- Use technology such as the Smartboard to support the program of study.

Prepared by Carol McCarthy, Susan Sleight and Patti Dore

Updated by Carol McCarthy

May 6, 2015

KINDERGARTEN: SCIENCE

The Kindergarten science program introduces children to a variety of scientific experiences.

OBJECTIVES

Earth Science

Our Earth

Students will be able to:

- explore properties of soil
- learn about rocks
- investigate landforms
- understand ways we use water
- research ways we recycle and reuse

Weather and Sky

Students will be able to:

- learn about weather and clouds
- explore the seasons and changes that happen
- learn about the sun and how it makes shadows
- study the moon and stars.

Physical Science

Matter

Students will be able to:

- investigate paper, cloth, wood and metal
- learn about clay
- explore water and how we use it

Movement

Students will be able to:

- learn about wheels and how they are used
- explore how things move
- investigate sounds and how they are made
- explore magnets

Life Science

Plants

Students will be able to:

- name parts of plants
- identify what plants need
- research how plants grow
- study leaves and flowers

Animals

Students will be able to:

- learn about animals around the world
- understand the importance of bugs around us
- study reptiles and where they live
- research what animals need
- learn how to be safe around animals
- study how animals grow and change
- learn how people and animals are alike and different

TEXT/MATERIALS

- A Closer Look by Macmillan/McGraw-Hill
- Computer
- Library Materials
- Videos
- Smartboards
- iPads
- Variety of picture and reading books to supplement topic of study
- School supplies ie., drawing materials, scissors, glue sticks

INSTRUCTION

The teacher will

- present lessons in both large and small groups.
- facilitate cooperative learning groups.
- use dramatization and storytelling to present the lessons.
- provide hands on activities and materials.

Prepared by Patricia Dore, Carol McCarthy and Susan Sleight

Updated by Patti Dore

April 17, 2015

KINDERGARTEN: LANGUAGE ARTS

The Kindergarten language arts program addresses the critical mission of early education which is teaching the children to read. This program emphasizes phonemic awareness through Lively Letters, decoding skills, language development, written and oral , submerged in an enriching experience of meaningful literature.

OBJECTIVES

Reading /Literature

Students will be able to:

- become familiar with the rhyming element.
- identify the parts of a story (title, beginning, middle, end).
- follow print pointing to each word left to right.
- retell a story.
- dramatize.
- make predictions.
- name characters, settings and events.
- identify poetry, prose, fiction and non-fiction.
- identify the role of author and illustrator.
- read and become familiar with the following literature: Pearson Success: Reading Street program

Grammar

Students will be able to:

- use capital letters correctly (beginning of sentences, proper nouns)
- identify parts of speech (nouns, verbs, adjectives)
- learn to use a period or question mark
- construct a simple sentence
- recognize the relationship between written words and illustrations

Vocabulary Development

Phonics K-3

Students will be able to:

- identify upper /lower case letters.
- learn sound/symbol relationships.
- understand that words are made up of one or more syllables.
- read CVC words. (ex. cat)
- read simple phrases or sentences. (the fat cat / The fat cat sat)
- recognize common/high frequency sight words. (ex. a, the, I,)
- have exposure to “amazing words” as introduced with each story in Reading Street
- locate words in a Kindergarten dictionary and use in sentences

TEXT/MATERIALS

- Houghton Mifflin practice book
- Zaner-Bloser Handwriting Book
- Pearson: Reading Street
- Lively Letters
- Charts; (Alphabet, Poetry etc..)
- Kindergarten dictionary
- Independent work folders
- Lined, story and construction paper
- Pencils, crayons, markers and paints
- Whiteboards
- Smartboards
- iPads
- Accelerated Reader

INSTRUCTION

The teacher will:

- Present lessons through lectures, small group work, class discussions, individual guidance and co-operative learning.
- Assess student progress through homework assignments and assessments
- Provide extra practice for students
- Use technology such as Smartboards and iPads to support the program of study

Prepared by Susan Sleight, Patti Dore, Carol McCarthy

Updated by Susan Sleight

January 16, 2015

KINDERGARTEN: SOCIAL STUDIES

The Kindergarten Social Studies program aims to take advantage of a young child's curiosity about people, places, and events of the past and present.

OBJECTIVES

World

Students will be able to:

- name and locate the seven continents
- recognize bodies of water
- name and locate Atlantic Ocean
- learn the difference between a map and a globe
- learn four directions

American History and Geography

Students will be able to:

- know the first Americans
- know about Christopher Columbus
- learn about the First Thanksgiving
- learn about Pilgrims
- learn about George Washington, Thomas Jefferson, Abraham Lincoln and Theodore Roosevelt
- American Monuments learn about the symbols of our Country (Flag, Statue of Liberty, Bald Eagle, White House, Happy Birthday America, Mount Rushmore)

All Around Us

Students will be able to:

- explain basic safety rules
- understand rules and citizenship
- know the difference between responsibilities and rights
- explore different modes of transportation
- understand the needs of a family
- know the difference between consumers and producers
- explore career paths and jobs people do
- understand the difference between spending and saving money

TEXT/MATERIALS

- iPads
- Smartboards
- Library Materials
- Videos
- Talking About Touching
- 2nd Step
- Variety of picture and reading books to supplement topic of study
- School supplies ie., drawing materials, scissors, glue sticks

INSTRUCTION

The teacher will:

- facilitate classroom discussions based on the topic of study
- use Smartboard programs to enhance areas of study
- read to students from a variety of books to enhance their knowledge of the topic of study
- lead large group and small group instruction
- encourage cooperative learning
- tell stories and role play dramatization of topic being introduced

Prepared by Patti Dore, Carol McCarthy and Sue Sleight

Updated by Patti Dore

April 17, 2015

KINDERGARTEN: RELIGION

The purpose of the Kindergarten Religion program is to help students come to know and experience God's love by looking at the magnificent world He created and by coming to know the person of Jesus who lives God's love.

Doctrine

Students will be able to :

- learn that God's love created the universe and all that fills it
- understand God's love gave us Jesus, His Son, who "chooses" us as friends
- realize they are God's children
- learn that Mary is the Mother of Jesus and wife of Joseph
- understand that at Baptism they become friends of Jesus

Morality

Students will be able to:

- comprehend that God gives us family, friends, teachers and neighbors to love us
- understand the stories of some Saints who are examples of people who love others
- learn how we show God's love by the way we treat others
- understand that people make choices about how to act

Scripture

Students will be able to:

- experience the story of Creation as well as other stories from the bible
- understand Gospel readings at Mass
- comprehend that Jesus' life teaches us to love God, ourselves and others

Prayer and Worship

Students will be able to:

- show and recite the Sign of the Cross, Our Father, Hail Mary
- recite prayers of petition and thanksgiving
- learn the real meaning of the holy seasons of Advent, Christmas, Lent and Easter
- explore the areas in a church and the sanctuary
- understand some parts of the Mass and appropriate responses

TEXT/MATERIALS

- Silver Burdett Ginn - Blest Are We
- Questar Publishers - The Beginners Bible
- Parragon Publishers - First Bible Stories
- Penquin Putnam Books - Wee Sing Musical Bible [book and tape]
- iPad
- Rosary beads
- Beginners Bible videos

INSTRUCTION

The teacher will:

- keep in mind how young children learn and facilitate age appropriate methods to maintain interest and enthusiasm.
- present lessons through songs, prayers, games, role playing, small group projects and hands on activities.
- use technology such as Smartboards and iPads to support the program of study
- read Bible stories and teach the meaning of Holy Days
- lead large and small group instruction
- supervise cooperative learning and dramatic play

Prepared by Patricia Dore, Nicole Lesofsky, Carol McCarthy and Susan Sleight

Updated by Patricia Dore

April 17, 2015

GRADES PRE-K AND KINDERGARTEN: SPANISH

In Pre-K and Kindergarten, students will use Spanish in familiar and authentic songs and nursery rhymes, chants, respond to basic commands, and use gestures and movement. The goal is to accustom the students to the different sounds of the language and enjoy Spanish.

Pre-K Spanish class meets for 25 minutes once a week for the year; Kindergarten meets for 30 minutes for one semester.

TOPICS/OBJECTIVES

Students will use the following in songs, rhymes, chants, etc. to:

- Sing/say the alphabet
- Count 1-30
- Identify the parts of the face
- Identify body parts
- Give greetings and simple salutations
- Sing familiar songs and rhymes translated from English to Spanish (i.e. “The Itsy-Bitsy Spider”)
- Sing/say authentic rhymes and songs
- Sing seasonal songs (i.e. Christmas – both authentic and popular translations)
- Use names of family members: Mother & Father
- Sing the days of the week
- Recite the months of the year
- Respond to simple commands (3rd person singular): stand up, sit down, walk, jump
- Say please and thank you
- Say good-bye

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

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

KINDERGARTEN: ART

The purpose of the Kindergarten Art program is to allow the student to learn about art from hands-on experience and refine the development of the fine motor skills associated with the subject of art and applicable to other disciplines in school and life. The students will also learn new artistic concepts and be able to apply them to projects throughout the year.

OBJECTIVES

The Elements of Art

Students will:

- learn and be able to apply basic color theory including primary and secondary colors and how to mix them/
- further their learning and application of the use of cutting and gluing as a means to make artwork.
- Be able to draw and cut basic shapes and see those basic shapes within more complex forms.
- Appreciate the difference between various art media
- Be able to create artwork both from observation as well as their imagination.

Art in Culture and Nature

Students will:

- Appreciate art as a means to tell stories.
- Understand and appreciate the various forms that art can take.
- Understand the role their identity can take in their artwork.
- Understand and appreciate the visual and climactic changes the landscape of New England goes through during the four seasons and be able to create artwork based on those seasons.

Art Experiences

Students will:

- discover a variety of traditional materials and techniques used to create art both with two and three dimensional media.
- experiment with media from everyday life such as aluminum foil, paper towel rolls and corrugated cardboard.
- Create through learned techniques how to make art using gluing, cutting, coloring, and drawing.
- Explore the variety of methods and tools an artist uses to make marks on a piece of paper.
- recognize special times of the year such as Christmas, thanksgiving, and the four seasons creating artwork that is reflective of the season.

MATERIALS

- Art posters
- Art reference materials in classroom.
- Art Media: pencils, paint, clay, soft pastels, crayons, model magic, paper, erasers, markers, watercolor, colored pencils
- Smartboard
- iPads
- PowerPoint presentations
- Teacher created exemplars

INSTRUCTION

Teacher will use lecture and practical demonstration to prepare students for projects. Examples of finished products will be shown. Once the students confirm they understand project they will proceed to create artwork. Artwork that is completed will be displayed in the school for a set amount of time and then taken home by the students. The artwork will also be photographed and displayed in an online gallery.

*Updated by Jeff Moses
October 7, 2014*

KINDERGARTEN: COMPUTER

The purpose of the computer curriculum for kindergarten 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 for two terms. Students work with the computer teacher.

OBJECTIVE

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 computer applications for simple age-appropriate tasks. They will understand and demonstrate proper etiquette, behavior, and body position when using computers.
- 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*

KINDERGARTEN – GRADE 2: PHYSICAL 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.