

October/November: Fall Harvest

Theme: Fall Harvest

Month: September/October

Purpose:

1. Develop observation skills by focusing on changes that occur in plants and weather as the seasons change.
2. Use senses to observe and explore materials.
3. Develop some sensory language to describe objects and events.
4. Explore objects in terms of their properties and characteristics.

Key Frameworks:

Science: *Inquiry and Experimentation*

1. Explore, examine, and describe objects and materials in terms of their properties, characteristics and capabilities.
5. Record observations, explanations and ideas through multiple forms of representation. (Drawings, graphs, writing)
6. Work collaboratively with others and share and discuss ideas.

Earth and Space Science

5. (1.1) Explore immediate environment and natural materials such as leaves, soil, plants
7. (1.3) Learn the characteristics of weather through first hand experiences.
8. (1.4) Explore sunlight and shadow to develop understanding of the sun as provider of heat and light to the earth.
9. (1.5) Observe and document events that have a repeating pattern through direct experiences that have meaning in children's lives (seasons).

Life Sciences

10. (2.1) Engage in first hand experiences that build understanding that animals and plants are living things that grow, reproduce and need food, air and water.
11. (2.2) Investigate characteristics that differentiate living from non-living things.
12. (2.3) Engage in meaningful experiences that build understanding that plants and animals go through predictable life cycles.

Living Things

15. (2.6) Engage in active learning experiences related to the senses of sight, hearing, touch, smell and taste.
16. (2.7) Observe and document seasonal changes in plants and animals in their environment.
17. (2.8) Observe how habitat provides for the basic needs of plants and animals.

Physical Sciences

18. (3.1) Use the senses to manipulate, observe, and explore the properties and capabilities of a wide variety of familiar and unfamiliar objects.

Assessment:

Observations of individual folders with file cards or checklists, work samples of individual and group work.

Early Childhood

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PreK-12 Math Curriculum
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Adopted by the School Committee on 11/17/03

Pre-School AM/PM

Month/Theme: October/November, Fall and Harvest

Academic Area	AM Program	PM Program	Frameworks
Listening	<ul style="list-style-type: none"> ▪ Listen for sounds of fall ▪ Learning and listening to theme based songs, poems, chants, and big books ▪ recalling facts <p>Resources: <u>Apples and Pumpkins, I am an Apple, Fall Leaves, Our Thanksgiving, My First Thanksgiving, Red Leaf, Yellow Leaf, Autumn is for Apples, Big Book I am an Apple.</u> fingerplays and re-enactments</p>	<ul style="list-style-type: none"> ▪ Listen for sounds of fall ▪ Using context clues to supply missing words ▪ Identifying the pattern of a song or chant ▪ Answering wh questions and predicting outcomes <p>Resources: Pumpkin Circle, 1,2,3 Thanksgiving Finger play, 1 little, 2 little, 3 little Pilgrim, <u>Apples and Pumpkins, I am an Apple, Fall Leaves, Our Thanksgiving, My First Thanksgiving, Red Leaf, Yellow Leaf, Autumn is for Apples, Big Book I am an Apple</u></p>	<p>Language Arts</p> <p>#1 Observe and begin to use appropriate ways of interacting in a group #3 Use understandable oral language to communicate personal experiences and interests #6 Listen to and use formal and informal language #24 Arrange events in order when dictating a story #25 Generate questions and gather information to answer questions #14 Relate themes and information in books to personal experiences #19 Listen to various forms of traditional literature</p>
Speaking	<ul style="list-style-type: none"> ▪ Show n' Tell (verbalizes one attribute) ▪ using context clues with predictable books to fill in the missing noun <p>Participates in retelling stories with manipulatives</p>	<ul style="list-style-type: none"> ▪ Show and Tell (verbalizes 3 attributes) ▪ Describe 3 attributes of family and friends in journals and books 	<p>#1 Observe and begin to use appropriate ways of interacting in a group #3 Use understandable oral language to communicate personal experiences and interests #14 Relate themes and information in books to personal experiences</p>
Fine Motor	<ul style="list-style-type: none"> ▪ Making glitter apples, tissue paper pumpkins, leaf rubbings, easel painting theme stencils, hand-turkey activities, sticker decorated Halloween bags, cut a variety of materials, theme-related puzzles, use theme-related stamps 	<ul style="list-style-type: none"> ▪ Making paper mache apples and pumpkins, leaf wands, apple prints, leaf patterns, trick or treat bags, sugar water yarn pumpkins, spider hats, turkey hand-trace, draw color, turkey bags, turkey coffee filter pumpkins trace glue tissue projects, bead Native American necklaces. 	<p>#8 Build upper body strength and stability to gain controlled movement and shoulders #9 Strengthen hand grasp and flexibility #10 Use thumb/forefinger in pincer grasp # 11 Use a variety of tools and materials to build grasp and release skills #12 Build finger dexterity #13 Use eye-hand coordination, visual perception and visual tracing and motor skills in play activities.</p>
Reading	<ul style="list-style-type: none"> ▪ Learning and imitating theme based songs, poems, chants, and big 	<ul style="list-style-type: none"> ▪ Using context clues and building an understanding of sounds and 	<p>#7 Listen to and enjoy a wide variety of age appropriate literature #8 Develop an awareness of print and letter forms through a print rich environment</p>

Early Childhood

	<p>books</p> <ul style="list-style-type: none"> Identifying story facts <p>Resources: <u>Apples and Pumpkins, I am an Apple, Fall Leaves, Our Thanksgiving, My First Thanksgiving, Red Leaf, Yellow Leaf, Autumn is for Apples, Big Book I am an Apple.</u> fingerplays and re-enactments</p>	<p>letter names</p> <ul style="list-style-type: none"> Making class books with the same pattern Answering wh questions and predicting outcomes <p>Resources: Pumpkin Circle, 1,2,3 Thanksgiving Finger play, 1 little, 2 little, 3 little Pilgrim, <u>Apples and Pumpkins, I am an Apple, Fall Leaves, Our Thanksgiving, My First Thanksgiving, Red Leaf, Yellow Leaf, Autumn is for Apples, Big Book I am an Apple</u></p>	<p>#11 Engage actively in read-aloud activities by asking questions, offering ideas, #22 Add details or make changes to published class made materials #23 Use emergent writing skills to make letters in many settings and purposes #24 Arrange events in order when dictating a story #25 Generate questions and gather information to answer questions #14 Relate themes and information in books to personal experiences #15 Discuss the plot, characters, and setting in stories in terms of simple terms. #19 Listen to various forms of traditional literature</p>
Movement	<ul style="list-style-type: none"> movement games, rolling pumpkins, tossing apples, and bouncing apples on a parachute finger plays such as, <u>A Turkey is a Funny Bird, Leaves are falling, Bouncing Apples, Fall Leaves,</u> 	<ul style="list-style-type: none"> More complex movement theme related activities and obstacle courses 	<p>#4 Build awareness of directionality and position in space #5 Uses both sides of the body to strengthen bilateral coordination # 6 Alternate the left side and right side of the body *3 Build upper body strength and stability #9 Strengthen hand grasp and flexibility #10 Use thumb/forefinger in pincer grasp Dance # Explore activities and vocabulary related to movement, balance, strength, and flexibility #2 Respond to a variety of musical rhythms through body movements #4 Participate in simple sequences of movements and dance to various kinds of music #10 Sing expressively #11 Sing a wide variety of songs, especially those with repetitive phrases and rhythmic patterns #14 Listen to, imitate, and improvise sounds, patterns or songs</p>
Sensory	<ul style="list-style-type: none"> Sensory table: seeds, acorns, leaves Gardening (1-2 steps) 	<ul style="list-style-type: none"> Sensory table: using corn kernels estimate how many cups will fill ajar, spider web using cotton and plastic spiders Gardening (3-4 steps) 	<p><u>Patterns and Relations</u> #9 Explore and describe a wide variety of concrete objects by attributes <u>English Language Arts</u> #18 Listen to, recognize, and use a broad vocabulary of sensory words #25 Generate questions and gather information to answer questions Physical Sciences #18 Manipulate a wide variety of familiar and unfamiliar objects to observe, describe and compare using language</p>

			#19 Explore, describe, and compare properties of liquids, solids found in child's daily environment
Art	<ul style="list-style-type: none"> Create fall collage, color projects, water color, glitter apples paint pumpkins using sponges or finger paint 	Paper mache apples and pumpkins, leaf wands, signs for farm stand, sugar-water yarn pumpkins, spider hats, trace, cut, paste activities	# 9 Strengthen hand muscles, grasp and flexibility #11 Use a variety of tools and materials to build grasp-and-release-patterns #13 Use eye-hand coordination, visual perception and visual tracking, and visual motor skills in play activities
Science/Tech	<ul style="list-style-type: none"> Explore discuss how apples, pumpkins grow, leaves change colors, seasonal changes related to children's' experiences sorting different kinds of nuts and seeds verbalize, observe different apples, pumpkins attributes participates in a nature walk identifies three things that happens in the fall 	<ul style="list-style-type: none"> discuss fall changes, weather, nature, make a list of things observed in a walk collect fall items make a list of items that will sin/float using predictions, and how different living things grow and what they need Identify 5 things that happen in the fall Understanding weather and how it changes with chart and pictures, balance activities, event happen in patterns (seasons, day and night) 	<u>English Language Arts</u> #25 Generate questions and gather information to answer questions <u>Science</u> <u>Earth and Space</u> # 7 Identify the characteristics of local weather #9 Observe and describe or represent scientific phenomena meaningful to children's lives that have repeating patterns (seasons) <u>Patterns and Relations</u> 11 Recognize, describe, reproduce, extend, create repeating patterns using concrete materials
Social studies	<ul style="list-style-type: none"> Participates in a field trip to the grocery store labels jobs in supermarket visits a farm stand, pretend to be a farmer, dramatic play have a grocery store explore vegetables and fruit for fall harvest, play food lotto matching games, play "I am thinking of....."(use fall 	<ul style="list-style-type: none"> putting events in temporal order-sequence cards of a pumpkin recognizing and understanding diversity of backgrounds of American citizens similarities and differences dramatize jobs such as farmer and grocer 	#9 Observe US holidays and how we celebrate them. #11 Observe and discuss the various kind of work people do. #12 Observe, discuss and dramatize basic economic concepts

	<ul style="list-style-type: none"> ▪ vegetables and fruits) ▪ participate in fall feast 		
Math	<ul style="list-style-type: none"> ▪ 1:1 correspondence with leaves, pumpkins, apples ▪ sorting seeds and harvest foods ▪ measuring pumpkins with yarn ▪ estimating and weighing pumpkins ▪ following direction in cooking activities 	<ul style="list-style-type: none"> ▪ estimate how many pumpkins in a jar and recording numbers ▪ how many cups of corn kernels fill a jar ▪ measuring the diameter of pumpkin and using string to measure circumference ▪ follow patterns with leaves ▪ following play dough and salt dough recipes ▪ estimate weight of pumpkins 	<p>Number Sense</p> <p>#1 Listen to and say numbers in context</p> <p>#2. Connect many kinds/quantities of concrete objects and actions to numbers</p> <p>#3 Use positional language and ordinal numbers</p> <p>#4 Add to and take away concrete objects using comparative language</p> <p><u>Patterns and Relations</u></p> <p>#9 Explore and describe a wide variety of concrete objects by attributes</p> <p>#10 Sort, categorize and classify objects by multiple attributes</p> <p>11 Recognize, describe, reproduce, extend, create repeating patterns using concrete materials</p> <p><u>Measurement</u></p> <p>#15 Use estimation in a meaningful way and follow up b verifying the accuracy of estimations</p> <p>#16 Use nonstandard units to measure length, weight and amount of content around a familiar object</p> <p><u>Data Collection and Analysis</u></p> <p>#17 Organize and draw conclusions from facts they have collected</p>
Resources			