

Instructor: Kindergarten

Course Title: Science/Social Studies

Topic/Concept: Back to School

Time Allotment: 2 Weeks

Unit Sequence: 1

**Major Concepts to be learned:**

1. Create and implement classroom rules
2. Learn respect and responsibility for others and the classroom environment
3. Identify days of the week and months of the year

**Expected Skills to be demonstrated:**

1. Students will be able to create and follow classroom rules.
2. Students will earn a green light by demonstrating respect and responsibility in the classroom.
3. Students will be able to participate in classroom discussions in a polite and positive manner.
4. Students will be able to complete calendar activities and sing songs about days of the week and months of the year.

**PA Standards/Anchors:**

**Eligible Content:**

5.1  
5.2  
5.3  
8.1

5.1 A, B  
5.2 A  
5.3 A

**Instructional Strategies:**

**Assessments:**

Small group  
Manipulatives  
Worksheets  
Kinesthetic activities  
Creative Projects  
Literature

- Informal (observational) Assessment
- Projects
- Weekly Stoplight Behavior Chart

Instructor: Kindergarten

Course Title: Science/Social Studies

Topic/Concept: Autumn

Time Allotment: 4 Weeks

Unit Sequence: 2

**Major Concepts to be learned:**

1. Understand that there are four seasons that occur in a natural pattern
2. Notice temperature change due to weather and season
3. Identify the effects of seasonal changes on people

**Expected Skills to be demonstrated:**

1. Students will be able to recognize seasonal changes in weather and temperature.
2. Students will be able to complete the classroom weather chart.
3. Students will be able to dress appropriately for the weather.

**PA Standards/Anchors:**

**Eligible Content:**

3.1  
7.3

3.1 A-M  
7.3 A

**Instructional Strategies:**

**Assessments:**

Small group  
Manipulatives  
Worksheets  
Kinesthetic activities  
Creative Projects  
Literature

- Informal (observational) Assessment
- Projects
- Weekly Stoplight Behavior Chart

Instructor: Kindergarten

Course Title: Science/Social Studies

Topic/Concept: Pumpkins

Time Allotment: 3 Weeks

Unit Sequence: 3

**Major Concepts to be learned:**

1. Illustrating the stages of a pumpkin life cycle.
2. Observing plants changing over time.
3. Exploring pumpkins using the scientific process.

**Expected Skills to be demonstrated:**

1. Students will be able to sort and measure pumpkins according to size.
2. Students will be able to correctly sequence pictures of the pumpkin life cycle.
3. Students will be able to use their senses to describe similarities and differences between pumpkins.

**PA Standards/Anchors:**

**Eligible Content:**

3.1  
3.2  
4.6

3.1 A.1  
3.1 A.3  
3.1 A.9  
3.2 B.7

**Instructional Strategies:**

**Assessments:**

Small group  
Manipulatives  
Worksheets  
Kinesthetic activities  
Creative Projects  
Literature

- Informal (observational) Assessment
- Projects
- Weekly Stoplight Behavior Chart

Instructor: Kindergarten  
Helpers

Course Title: Science/Social Studies

Topic/Concept: Transportation/Community

Time Allotment: On Going

Unit Sequence: 4

**Major Concepts to be learned:**

1. Identifying interactions between humans and their environment.
2. Identifying various forms of transportation and their purposes.
3. Distinguishing differences between people and their contributions in the community.
4. Recognizing the purposes of services and how they are produced.
5. Identifying types of businesses and how they serve the community.

**Expected Skills to be demonstrated:**

1. Students will be able to identify different forms of transportation.
2. Students will be able to interact with different community helpers.
3. Students will be able to discuss various professions and their importance in the community.
4. Students will be able to go on a field trip to a local business and learn about its significance in the community.

**PA Standards/Anchors:**

**Eligible Content:**

3.4	3.4.E.5	6.2.5
6.1	3.4.E.7	6.3.1
6.2	6.1.3	7.1.2
6.3	6.2.1	
7.1		

**Instructional Strategies:**

**Assessments:**

Small group Manipulatives Worksheets Kinesthetic activities Creative Projects Literature	<ul style="list-style-type: none"><li>• Informal (observational) Assessment</li><li>• Projects</li><li>• Weekly Stoplight Behavior Chart</li></ul>
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Instructor: Kindergarten

Course Title: Science/Social Studies

Topic/Concept: Citizenship

Time Allotment: On Going

Unit Sequence: 5

**Major Concepts to be learned:**

1. Assuming responsibility in the classroom.
2. Identifying American symbols.
3. Following classroom rules and procedures.
4. Understanding the roles of student, teacher, and administrator.

**Expected Skills to be demonstrated:**

1. Students will be able to accept classroom job responsibilities.
2. Students will be able to share examples of good citizenship at school.
3. Students will be able to identify the American flag and recite the Pledge of Allegiance.
4. Students will be able to explain the importance of rules and consequences in the classroom and community.

**PA Standards/Anchors:**

**Eligible Content:**

5.1  
5.2  
5.3

5.1.1  
5.2.1  
5.2.2  
5.2.4  
5.3.1

**Instructional Strategies:**

**Assessments:**

Small group  
Manipulatives  
Worksheets  
Kinesthetic activities  
Creative Projects  
Literature

- Informal (observational) Assessment
- Projects
- Weekly Stoplight Behavior Chart

Instructor: Kindergarten

Course Title: Science/Social Studies

Topic/Concept: Thanksgiving

Time Allotment: 3 Weeks

Unit Sequence: 6

**Major Concepts to be learned:**

1. Discussing the first Thanksgiving
2. Comparing and contrasting families around the world.
3. Understanding how environmental changes can impact people.
4. Comparing children and families of today with those of the past.

**Expected Skills to be demonstrated:**

1. Students will be able to discuss the first Thanksgiving.
2. Students will be able to create costumes and art projects depicting cultural differences.
3. Students will be able to participate in a traditional feast.
4. Students will be able to sort items from the past and present.

**PA Standards/Anchors:**

**Eligible Content:**

5.1  
7.3  
7.4  
8.1

5.1.5  
7.3.1  
7.4.1  
8.1.2

**Instructional Strategies:**

**Assessments:**

Small group  
Manipulatives  
Worksheets  
Kinesthetic activities  
Creative Projects  
Literature

- Informal (observational) Assessment
- Projects
- Weekly Stoplight Behavior Chart

Instructor: Kindergarten

Course Title: Science/Social Studies

Topic/Concept: Landforms

Time Allotment: 3 Weeks

Unit Sequence: 7

**Major Concepts to be learned:**

1. Identifying various types of landforms.
2. Recognizing sources of water in solid and liquid states.
3. Creating and using maps

**Expected Skills to be demonstrated:**

1. Students will be able to create a picture depicting different landforms.
2. Students will be able to sing a song identifying continents and oceans.
3. Students will be able to create a classroom map following directions including north, south, east and west.

**PA Standards/Anchors:**

**Eligible Content:**

3.3  
4.1  
7.1

3.3.A.1  
3.3.A.2  
7.1.1

**Instructional Strategies:**

**Assessments:**

Small group  
Manipulatives  
Worksheets  
Kinesthetic activities  
Creative Projects  
Literature

- Informal (observational) Assessment
- Projects
- Weekly Stoplight Behavior Chart

Instructor: Kindergarten  
World

Course Title: Science/Social Studies

Topic/Concept: Holidays Around the

Time Allotment: 3 Weeks

Unit Sequence: 8

**Major Concepts to be learned:**

1. Understanding and respecting different cultures
2. Understanding the celebration of holiday traditions around the world.
3. Comparing holidays from past to present.

**Expected Skills to be demonstrated:**

1. Students will be able to identify images, pictures, or symbols that relate to American holidays.
2. Students will be able to share information about their family customs and traditions.
3. Students will be able to create art projects to depict holidays of present and past.

**PA Standards/Anchors:**

**Eligible Content:**

5.1  
7.3  
8.1

5.1.5  
7.3.1  
8.1.2

**Instructional Strategies:**

**Assessments:**

Small group  
Manipulatives  
Worksheets  
Kinesthetic activities  
Creative Projects  
Literature

- Informal (observational) Assessment
- Projects
- Weekly Stoplight Behavior Chart



Instructor: Kindergarten

Course Title: Science/Social Studies

Topic/Concept: Winter

Time Allotment: 3 Weeks

Unit Sequence: 9

**Major Concepts to be learned:**

1. Identifying how environmental changes affect people.
2. Exploring changes in weather.
3. Describing how weather affects our clothing choices.

**Expected Skills to be demonstrated:**

1. Students will be able to discuss appropriate clothing choices for different types of weather.
2. Students will be able to identify characteristics of winter including precipitation and temperature.
3. Students will be able to compare and contrast winter and other seasonal activities through pictures.

**PA Standards/Anchors:**

**Eligible Content:**

3.3  
7.4

3.3.A.4  
3.3.A.5  
3.3.A.6  
7.4.1

**Instructional Strategies:**

**Assessments:**

Small group  
Manipulatives  
Worksheets  
Kinesthetic activities  
Creative Projects  
Literature

- Informal (observational) Assessment
- Projects
- Weekly Stoplight Behavior Chart

Instructor: Kindergarten  
Nonliving Things

Course Title: Science/Social Studies

Topic/Concept: Habitats/Living and

Time Allotment: 2 Weeks

Unit Sequence: 10

**Major Concepts to be learned:**

1. Identifying different ways living things produce.
2. Understanding that animals make adaptations specific to their environments.
3. Identifying needs of living things.

**Expected Skills to be demonstrated:**

1. Students will be able to identify eggs, seeds, and babies and match to their corresponding parent.
2. Students will be able to sort animals according to their habitats.
3. Students will be able to compare living and nonliving things based on their characteristics and needs.

**PA Standards/Anchors:**

**Eligible Content:**

3.1

- 3.1.A.1
- 3.1.A.5
- 3.1.A.8
- 3.1.B.2
- 3.1.C.2

**Instructional Strategies:**

**Assessments:**

- Small group
- Manipulatives
- Worksheets
- Kinesthetic activities
- Creative Projects
- Literature

- Informal (observational) Assessment
- Projects
- Weekly Stoplight Behavior Chart

Instructor: Kindergarten

Course Title: Science/Social Studies

Topic/Concept: Patriotism

Time Allotment: 1 Week

Unit Sequence: 11

**Major Concepts to be learned:**

1. Identifying American symbols.
2. Discussing historic presidencies.

**Expected Skills to be demonstrated:**

1. Students will be able to correctly color a flag.
2. Students will be able to recite the Pledge of Allegiance.

**PA Standards/Anchors:**

**Eligible Content:**

5.1

5.1.5

**Instructional Strategies:**

**Assessments:**

Small group  
Manipulatives  
Worksheets  
Kinesthetic activities  
Creative Projects  
Literature

- Informal (observational) Assessment
- Projects
- Weekly Stoplight Behavior Chart

Instructor: Kindergarten

Course Title: Science/Social Studies

Topic/Concept: Wind/Rain/Spring

Time Allotment: 3 Weeks

Unit Sequence: 12

**Major Concepts to be learned:**

1. Describing wind power.
2. Observing seasonal changes in weather and temperature.
3. Identifying water in various forms.

**Expected Skills to be demonstrated:**

1. Students will be able to create an art project using wind.
2. Students will be able to chart and record weather changes during morning meetings.
3. Students will be able to identify various forms of water through pictures, art projects and classroom discussion.

**PA Standards/Anchors:**

**Eligible Content:**

3.3  
3.4

3.3.A.4  
3.3.A.5  
3.3.A.6  
3.4.E.3

**Instructional Strategies:**

**Assessments:**

Small group  
Manipulatives  
Worksheets  
Kinesthetic activities  
Creative Projects  
Literature

- Informal (observational) Assessment
- Projects
- Weekly Stoplight Behavior Chart

Instructor: Kindergarten

Course Title: Science/Social Studies

Topic/Concept: Senses

Time Allotment: 2 Weeks

Unit Sequence: 13

**Major Concepts to be learned:**

1. Using senses to collect information, classify, describe and solve problems.
2. Identifying problems and using senses to aid in solutions.
3. Identifying the specific functions of living things' parts.

**Expected Skills to be demonstrated:**

1. Students will be able to listen to various sounds and attempt to identify them.
2. Students will be able to use a specific sense to identify objects.
3. Students will be able to complete a booklet on senses to demonstrate correct use of ears, nose, eyes, mouth and hands.

**PA Standards/Anchors:**

**Eligible Content:**

3.1 3.2 3.4	3.1.A.5 3.1.A.9 3.1.C.4 3.2.B.5 3.2.B.7	3.4.A.3
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**Instructional Strategies:**

**Assessments:**

Small group Manipulatives Worksheets Kinesthetic activities Creative Projects Literature	<ul style="list-style-type: none"><li>• Informal (observational) Assessment</li><li>• Projects</li><li>• Weekly Stoplight Behavior Chart</li></ul>
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Instructor: Kindergarten

Course Title: Science/Social Studies

Topic/Concept: Earth Week

Time Allotment: 2 Weeks

Unit Sequence: 14

**Major Concepts to be learned:**

1. Describing effects of pollution and litter on the environment.
2. Identifying ways to conserve resources.
3. Discussing the process of recycling.

**Expected Skills to be demonstrated:**

1. Students will be able to create a poster an environmental rule.
2. Students will be able to sort recycleable materials.
3. Students will be able to make a classroom chart listing ways to conserve resources.

**PA Standards/Anchors:**

**Eligible Content:**

4.2  
4.3  
4.4  
4.9

**Instructional Strategies:**

**Assessments:**

Small group  
Manipulatives  
Worksheets  
Kinesthetic activities  
Creative Projects  
Literature

- Informal (observational) Assessment
- Projects
- Weekly Stoplight Behavior Chart

Instructor: Kindergarten

Course Title: Science/Social Studies

Topic/Concept: Growing

Time Allotment: 3 Weeks

Unit Sequence: 15

**Major Concepts to be learned:**

1. Identifying stages of life cycles of plants and animals.
2. Discussing how adults begin as a seed, egg or baby.
3. Labeling various parts of plants

**Expected Skills to be demonstrated:**

1. Students will be able to complete a life cycle of a frog and butterfly using pictures.
2. Students will be able to plant a seed and chart its growth in a journal.
3. Students will be able to label parts of a plant by completing classroom projects.

**PA Standards/Anchors:**

**Eligible Content:**

3.1  
3.3  
4.6

3.1.A.3  
3.1.A.5  
3.1.B.2  
3.3.A.6

**Instructional Strategies:**

**Assessments:**

Small group  
Manipulatives  
Worksheets  
Kinesthetic activities  
Creative Projects  
Literature

- Informal (observational) Assessment
- Projects
- Weekly Stoplight Behavior Chart

Instructor: Kindergarten

Course Title: Science/Social Studies

Topic/Concept: Scientific Thinking

Time Allotment: On Going

Unit Sequence: 16

**Major Concepts to be learned:**

1. Classify items by properties of matter
2. Identify the three types of matter and how they can change
3. Understand that physical properties help us to understand the world
4. Use if/then statements when conducting scientific experiments

**Expected Skills to be demonstrated:**

1. Students will be able to classify items into the three types of matter and observe their properties as they change.
2. Students will be able to observe objects in motion, explore basic energy types, and explain the concepts of magnetic force.
3. Students will be able to identify a problem, generate possible solutions, and test their ideas.

**PA Standards/Anchors:**

**Eligible Content:**

3.2

3.2.A.1-5

3.2.B.1-7

**Instructional Strategies:**

**Assessments:**

Small group  
Manipulatives  
Worksheets  
Kinesthetic activities  
Creative Projects  
Literature

- Informal (observational) Assessment
- Projects
- Weekly Stoplight Behavior Chart