

EXPLORE & LEARN WITH
ADA TWIST.
SCIENTIST



LEARNING GOALS AND STANDARDS

Preschool Learning Goals

National Center on Early Childhood Development, Teaching, and Learning Preschool Program Level School Readiness Goals*				
	Activity 1	Activity 2	Activity 3	Activity 4
APPROACHES TO LEARNING				
P-ATL Goal 2. Children will increasingly demonstrate self-control including controlling impulses, maintaining attention, persisting with activities, and using flexible thinking.	√	√	√	√
P-ATL Goal 3. Children will demonstrate initiative, independence, interest, and curiosity in interactions with others and exploration of objects and people in their environment.	√	√	√	√
P-ATL Goal 4. Children will show creativity and imagination in play, learning, and interactions with others.	√	√	√	√
SOCIAL AND EMOTIONAL DEVELOPMENT				
P-SE Goal 1. Children will engage in and maintain positive, prosocial, and cooperative relationships and interactions with familiar adults.	√	√	√	√
P-SE Goal 2. Children will engage in and maintain positive peer relationships and interactions including cooperation and resolving conflicts.	√	√	√	√
P-SE Goal 3. Children will appropriately express and respond to a broad range of emotions, including concern for others.	√	√	√	√
P-SE Goal 4. Children will recognize self as a unique individual with own abilities, characteristics, emotions, and interests.	√	√	√	√
P-SE Goal 5. Children will express confidence and positive feelings about self and demonstrate a sense of belonging to family, community, and other groups.	√	√	√	√

* U.S. Department of Health and Human Services, Administration for Children and Families, Office of Head Start and Office of Child Care, by the National Center on Early Childhood Development, Teaching, and Learning.

LANGUAGE AND LITERACY: LANGUAGE AND COMMUNICATION				
P-LC Goal 1. Children will attend, understand, and respond to increasingly complex communication and language from others.	√	√	√	√
P-LC Goal 2. Children will increasingly match the amount and use of language required for different situations and follow social and conversational rules.	√	√	√	√
COGNITION: SCIENTIFIC REASONING				
P-SCI Goal 1. Children will observe and manipulate physical materials, ask questions, make predictions, and develop hypotheses to describe and understand observable phenomena in their environment.	√	√	√	√
P-SCI Goal 2. Children will use reasoning and problem-solving as they ask questions, gather information, make predictions, and conduct investigations.	√	√	√	√
PERCEPTUAL, MOTOR, AND PHYSICAL DEVELOPMENT				
P-PMP Goal 1. Children will demonstrate increasing control of large muscles for movement, navigation, and balance.				√
P-PMP Goal 2. Children will demonstrate use of small muscles for purposes such as using utensils, self-care, building, writing, and manipulation.	√	√	√	√

KINDERGARTEN STANDARDS

English Language Arts Common Core State Standards**				
KINDERGARTEN	Activity 1	Activity 2	Activity 3	Activity 4
READING: INFORMATIONAL TEXT				
Key Ideas and Details: <u>CCSS.ELA-LITERACY.RI.K.3</u> With prompting and support, describe the connection between two individuals, events, ideas, or pieces of information in a text.	√	√	√	√
Craft and Structure: <u>CCSS.ELA-LITERACY.RI.K.4</u> With prompting and support, ask and answer questions about unknown words in a text.	√	√	√	√
READING: FOUNDATIONAL SKILLS				
Print Concepts: <u>CCSS.ELA-LITERACY.RF.K.1</u> Demonstrate understanding of the organization and basic features of print.	√	√	√	√
Phonological Awareness: <u>CCSS.ELA-LITERACY.RF.K.2</u> Demonstrate understanding of spoken words, syllables, and sounds (phonemes).	√	√	√	√
Phonics and Word Recognition: <u>CCSS.ELA-LITERACY.RF.K.3</u> Know and apply grade-level phonics and word analysis skills in decoding words.	√	√	√	√
WRITING				
Text Types and Purposes: <u>CCSS.ELA-LITERACY.W.K.3</u> Use a combination of drawing, dictating, and writing to narrate a single event or several loosely linked events, tell about the events in the order in which they occurred, and provide a reaction to what happened.	√	√	√	√
Research to Build and Present Knowledge: <u>CCSS.ELA-LITERACY.W.K.8</u> With guidance and support from adults, recall information from experiences or gather information from provided sources to answer a question.	√	√	√	√

**National Governors Association Center for Best Practices & Council of Chief State School Officers (2010). Common Core State Standards for English Language Arts. Washington, DC: Authors.

SPEAKING & LISTENING				
<p>Comprehension and Collaboration: <u>CCSS.ELA-LITERACY.SL.K.1</u> Participate in collaborative conversations with diverse partners about kindergarten topics and texts with peers and adults in small and larger groups.</p>	√	√	√	√
<p><u>CCSS.ELA-LITERACY.SL.K.2</u> Confirm understanding of a text read aloud or information presented orally or through other media by asking and answering questions about key details and requesting clarification if something is not understood.</p>	√	√	√	√
<p>Presentation of Knowledge and Ideas: <u>CCSS.ELA-LITERACY.SL.K.4</u> Describe familiar people, places, things, and events and, with prompting and support, provide additional detail.</p>	√	√	√	√
<p><u>CCSS.ELA-LITERACY.SL.K.5</u> Add drawings or other visual displays to descriptions as desired to provide additional detail.</p>	√	√	√	√
<p><u>CCSS.ELA-LITERACY.SL.K.6</u> Speak audibly and express thoughts, feelings, and ideas clearly.</p>	√	√	√	√
LANGUAGE				
<p>Conventions of Standard English: <u>CCSS.ELA-LITERACY.L.K.1</u> Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.</p>	√	√	√	√
<p><u>CCSS.ELA-LITERACY.L.K.2</u> Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.</p>	√	√	√	√
<p>Vocabulary Acquisition and Use: <u>CCSS.ELA-LITERACY.L.K.4</u> Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on kindergarten reading and content.</p>	√	√	√	√

GRADE 1 STANDARDS

English Language Arts Common Core State Standards**				
GRADE 1	Activity 1	Activity 2	Activity 3	Activity 4
READING: INFORMATIONAL TEXT				
Key Ideas and Details: <u>CCSS.ELA-LITERACY.RI.1.3</u> Describe the connection between two individuals, events, ideas, or pieces of information in a text.	√	√	√	√
READING: FOUNDATIONAL SKILLS				
Print Concepts: <u>CCSS.ELA-LITERACY.RF.1.1</u> Demonstrate understanding of the organization and basic features of print.	√	√	√	√
Phonological Awareness: <u>CCSS.ELA-LITERACY.RF.1.2</u> Demonstrate understanding of spoken words, syllables, and sounds (phonemes).	√	√	√	√
Phonics and Word Recognition: <u>CCSS.ELA-LITERACY.RF.1.3</u> Know and apply grade-level phonics and word analysis skills in decoding words.	√	√	√	√
WRITING				
Text Types and Purposes: <u>CCSS.ELA-LITERACY.W.1.3</u> Write narratives in which they recount two or more appropriately sequenced events, include some details regarding what happened, use temporal words to signal event order, and provide some sense of closure.	√	√	√	√
Research to Build and Present Knowledge: <u>CCSS.ELA-LITERACY.W.1.8</u> With guidance and support from adults, recall information from experiences or gather information from provided sources to answer a question.	√	√	√	√
SPEAKING & LISTENING				
Comprehension and Collaboration: <u>CCSS.ELA-LITERACY.SL.1.1</u> Participate in collaborative conversations with diverse partners about grade1 topics and texts with peers and adults in small and larger groups.	√	√	√	√
<u>CCSS.ELA-LITERACY.SL.1.2</u> Ask and answer questions about key details in a text read aloud or information presented orally or through other media.	√	√	√	√

Presentation of Knowledge and Ideas: <u>CCSS.ELA-LITERACY.SL.1.4</u> Describe people, places, things, and events with relevant details, expressing ideas and feelings clearly. <u>CCSS.ELA-LITERACY.SL.K.5</u> Add drawings or other visual displays to descriptions when appropriate to clarify ideas, thoughts, and feelings. <u>CCSS.ELA-LITERACY.SL.K.6</u> Produce complete sentences when appropriate to task and situation.	√	√	√	√
LANGUAGE				
Conventions of Standard English: <u>CCSS.ELA-LITERACY.L.1.1</u> Demonstrate command of the conventions of standard English grammar and usage when writing or speaking. <u>CCSS.ELA-LITERACY.L.1.2</u> Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.	√	√	√	√
Vocabulary Acquisition and Use: <u>CCSS.ELA-LITERACY.L.K.4</u> Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 1 reading and content, choosing flexibly from an array of strategies.	√	√	√	√

**National Governors Association Center for Best Practices & Council of Chief State School Officers (2010). Common Core State Standards for English Language Arts. Washington, DC: Authors.

NEXT GENERATION SCIENCE STANDARDS***				
KINDERGARTEN AND GRADE 1	Activity 1	Activity 2	Activity 3	Activity 4
K-LS1-1. Use observations to describe patterns of what plants and animals (including humans) need to survive.				√
K-2-ETS1-3. Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.				√

*** NGSS Lead States. 2013. Next Generation Science Standards: For States, By States. Washington, DC: The National Academies Press.