



# STEAM'N THROUGH THE SEASONS

## CONNECTIONS TO THE COMMON CORE LANGUAGE ARTS STANDARDS

STEAM'n Through the Seasons supports the English Language Arts Standards identified in the Common Core (CC) (2010). Children in grades K-3 will work on mastering reading, writing, speaking, listening, and language standards that will assist them in developing the language arts skills needed for success in college and career. STEAM'n Through the Seasons assists in supporting children as they strive to meet the CC English Language Arts Anchor Standards. A few of the core standards covered through the implementation of the program include but are not limited to:

### **Anchor Standards for Writing:**

**Text Types and Purposes:** Children write arguments, informative/explanatory, or narrative pieces.

**Range of Writing:** Children write routinely over extended and shorter time frames for a variety of purposes and audiences.

### **Anchor Standards for Reading:**

**Key Ideas and Details:** Children read closely to determine central ideas or themes.

**Craft and Structure:** Children interpret words and phrases as well as analyze the structure of texts.

### **Anchor Standards for Language:**

**Vocabulary Acquisition and Use:** Children determine or clarify the meaning of unknown words and phrases using various tools such as context clues.

**Conventions of Standard English:** Children demonstrate command of conventions of standard English grammar and usage when writing or speaking.

### **Anchor Standards for Speaking and Listening:**

**Comprehension and Collaboration:** Children will prepare for and participate effectively in a range of conversations with diverse partners, building on others' ideas and expressing their own.

**Presentation of Knowledge and Ideas:** Children will present information, findings, and supporting evidence so that others can follow a line of reasoning.

Common Core State Standards Initiative. (2010). Common Core State Standards for English Language Arts & Literacy In History/Social Studies, Science, and Technical Subjects.





## STEAM'N THROUGH THE SEASONS

### EDUCATIONAL STANDARD CONNECTIONS BY LESSON

**Apple'licious: Children learn about the life cycle of the apple tree and the many uses of apples.**

**3-LS1-1** From Molecules to Organisms: Structures and Processes: Develop models to describe that organisms have unique and diverse life cycles, but all have in common birth, growth, reproduction, and death.

**VA:Cr2.1.1a** Explore uses of materials and tools to create works of art or design.

**Pumpkin Exploration: Children will learn about the life cycle of a pumpkin.**

**K-OA.A.2** Solve addition and subtraction word problems, and add and subtract within 10, e.g., by using objects or drawings to represent the problem.

**3-LS1-1** From Molecules to Organisms: Structures and Processes: Develop models to describe that organisms have unique and diverse life cycles but all have in common birth, growth, reproduction, and death.

**Scurrying Squirrels: Children learn how squirrels prepare for winter and use the engineering design process to design and build a contraption to move acorns.**

**K-LS1-1** From Molecules to Organisms: Structures and Processes: Use observations to describe patterns of what plants and animals (including humans) need to survive.

**K-ESS2-2** Earth's Systems: Construct an argument supported by evidence for how plants and animals (including humans) can change the environment to meet their needs.

**Gingerbread Time: Children will use the engineering design process to build a gingerbread house.**

**K-2-ETS1-2** Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.

**RL -1.2** Retell stories, including key details, and demonstrate understanding of their central message or lesson.

**Snow Spectacular: Children learn about blizzards and explore how meteorologists use tools to forecast weather and help people prepare for severe weather.**

**K-ESS3-2** Earth and Human Activity: Ask questions to obtain information about the purpose of weather forecasting to prepare for, and respond to, severe weather.

**Gifts from the Heart: Children learn the importance of giving to others by measuring and creating a delicious gift in a jar.**

**K.MD.A.2** Directly compare two objects with a measurable attribute in common to see which object has "more of"/"less of" the attribute and describe the difference.

**RI.2.3** Describe how characters in a story respond to major events and challenges.





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**TrapTastic: Children learn about the engineering design process and dimension creation in art.**

**K-2-ETS1-1** Engineering Design: Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.

**RF.K.2** Demonstrate understanding of spoken words, syllables, and sounds (phonemes). a. Recognize and produce rhyming words.

**Bitty Bunnies: Children learn about rabbits and explore how animals help their babies survive.**

**I-LS1-2** From Molecules to Organisms: Structures and Processes: Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive.

**Sensational Seeds: Children learn the parts of a seed and what they need to grow.**

**K-ESS3-1** Earth and Human Activity: Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live.

**Dirt-n-Worms: Children will learn about worms and their four main parts.**

**K.MD.A.2** Directly compare two objects with a measurable attribute in common to see which object has “more of”/“less of” the attribute and describe the difference.

**Summer Celebrations: Children explore educational centers while learning about fun things that happen during summer celebrations.**

**I.G.A.3** Partition circles and rectangles into two and four equal shares, describe the shares using the words halves, fourths, and quarters, and use the phrases half of, fourth of, and quarter of. Describe the whole as two of, or four of the shares. Understand for these examples that decomposing into more equal shares creates smaller shares.

**VA:Cr2.1.1a** Explore uses of materials and tools to create works of art or design.

**Make a Splash: Children learn how to test and improve designs for a water transportation device.**

**K-2-ETS1-3** Engineering Design: Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.

