

## Foss correlations

The correlations contained within this chart were made using Minnesota Academic Standards and comparing activities that had similar student objectives and learner outcomes. Where possible, I have made direct links to FOSS lessons within each module. Where there were no distinct similarities between activities, I looked at the MN standards and made links that had general connections to the curriculum that could extend the learning opportunities provided by FOSS. There are also some specific focus recommendations for some of the PLT activities, for example: for the 3<sup>rd</sup>/4<sup>th</sup> grade measurements unit, the PLT activity #48 Field, Forest and Stream is recommended, focusing on the measurement opportunities in that PLT activity. Also, some PLT activities matched the FOSS modules very well, but were recommended for a different grade level. (See Kindergarten/Wood & Paper/Getting to Know Paper. The PLT activity #51 Make Your Own Paper is recommended for grades 1-8. With simple modifications, or perhaps the help of older student mentors, this activity meshes perfectly with the FOSS module.) There are also direct literature links between the FOSS Science Stories and the PLT recommended books. I have included these links in several places in the chart.

The different grades have been color coded for ease of usability: Kindergarten is green, 1<sup>st</sup>/2<sup>nd</sup> grade is red, 3<sup>rd</sup>/4<sup>th</sup> grade is purple, and 5<sup>th</sup>/6<sup>th</sup> grade is blue. The FOSS modules are listed in the yellow column, and the PLT activities are in the orange column.

Grade/ Strand	FOSS Module	Investigation	PLT Activity	MN Science Standards Benchmarks
<b>K Physical Science</b>	<b>Wood and Paper</b>	Getting to Know Wood	<b>#2: Get in Touch with Trees.</b>  <b>#13: We All Need Trees</b>  <b>#22:Trees as Habitats</b>  <b>#62: To Be A Tree</b>	<b>Science:</b> IV, G, 1: Observe and describe the environment using the five senses. IV, B, 2: Know simple ways that living things can be grouped <b>Language Arts:</b> I, B, 1: Use words to describe and name people, places and things. 2: Use words to describe location, size, color, shape and direction. 5: Learn new words through explicit instruction. I, C, 1: Demonstrate literal comprehension by asking and answering questions about narrative and informational text. III, A, 1: Participate in and follow agreed-upon rules for conversation and formal discussions. 2: Follow two-step directions. 3: Attend to and understand the meaning of messages. 4: Communicate needs, feelings and ideas to peers and adults. 8: Ask and respond to questions.
<b>K Physical Science</b>	<b>Wood and Paper</b>	Getting to Know Paper	<b>#51: Make Your Own Paper (modified for grade level)</b>	<b>Social Studies K-3:</b> VI, B, 2: Recognize and explain that natural resources and human made resources are used in the production of goods and services.
<b>K Physical Science</b>	<b>Fabric</b>	Fabric all Around	<b>#2: Get in Touch with Trees.</b>	<b>Science:</b> IV, G, 1: Observe and describe the environment using the five senses. <b>Language Arts:</b> I, B, 1: Use words to describe and name people, places and things. 2: Use words to describe location, size, color, shape and direction. 5: Learn new words through explicit instruction. I, C, 1: Demonstrate literal comprehension by asking and answering questions about narrative and informational text. III, A, 1: Participate in and follow agreed-upon rules for conversation and formal discussions. 2: Follow two-step directions. 3: Attend to and understand the meaning of messages. 4: Communicate needs, feelings and ideas to peers and adults. 8: Ask and respond to questions.
<b>K Life Science</b>	<b>Animals Two By Two</b>	Goldfish and Guppies	<b>#20: Environmental Exchange Box</b>	<b>Science:</b> IV, B, 1: Compare and contrast living and non living things. 2: Know simple ways that living things can be grouped.
<b>K Life Science</b>	<b>Animals Two By Two</b>	Land and Water Snails	<b>#6: Picture This</b>  <b>#46: Schoolyard Safari</b>	<b>Science:</b> IV, G, 1: Observe and describe the environment using the five senses. <b>Social Studies K-3:</b> V, A, 1: Describe the location of people, places and things by using positional words. <b>Language Arts:</b> I, B, 1: Use words to describe and name people, places and things. 2: Use words to describe location, size, color, shape and direction. 4: Use context to predict and infer word meanings. 5: Learn new words through explicit instruction II, C, 1: Use a period after sentences when prompted. 2: Use knowledge of basic phonics to spell. III, A, 1: Participate in and follow agreed-upon rules for conversation and formal discussions. 2: Follow two-step directions. 3: Attend to and understand the meaning of messages. 4: Communicate needs, feelings and ideas to peers and adults 8: Ask and respond to questions. <b>Mathematics:</b> III, A, 1: Sort objects in a set by one attribute such as size, shape, color or thickness.
<b>K Life Science</b>	<b>Animals Two By Two</b>	Big and Little Worms	<b>#22: Trees as Habitats</b>  <b>#25: Birds and Worms</b>	<b>Science:</b> IV, B, 1: Compare and contrast living and non living things. 2: Know wimple ways that living things can be grouped.

<b>K Life Science</b>	<b>Animals Two By Two</b>	Big and Little Worms		<p><b>Mathematics:</b>  II, A, 2: Count the number of objects in a set and identify the quantity.  3: Compare the number of objects in two or more sets.  III, A, 1: Sort objects in a set by one attribute such as size, shape color or thickness.  3: Recognize, describe and extend repeating patterns involving up to three elements using objects, pictures, sounds or movements.  IV, A, 1: Represent data about classmates or their surroundings by using objects or pictures.</p>
<b>K Life Science</b>	<b>Animals Two By Two</b>	Pill Bugs and Sow Bugs	<b>#24: Nature's Recyclers</b>	<p><b>Science:</b>  IV, B, 1: Compare and contrast living and non living things.  2: Know Simple ways that living things can be grouped.</p>
<b>K Life Science</b>	<b>Trees</b>	Fall Trees	<b>#21: Adopt a Tree</b>  <b>#22: Trees as Habitats</b>  <b>#27: Every Tree for Itself</b>  <b>#41: How Plants Grow (variation)</b>  <b>#61: The Closer You Look</b>  <b>#67: How Big is Your Tree?</b>  <b>#87: Earth Manners</b>	<p><b>Science:</b>  I, B, 1: Observe and describe common objects using simple tools.  IV, B, 1: Compare and contrast living and non living things.  IV, G, 1: Observe and describe the environment using the five senses.  III, B, 1: Describe daily and seasonal changes in weather.  <b>Social Studies K-3:</b>  VI, A, 1:3: Understand and explain that the concept of scarcity means that one cannot have all the goods and services that one wants.  4: Give examples of tradeoffs (opportunity costs).  <b>Language Arts:</b>  I, B, 1: Use words to describe and name people, places and things.  2: Use words to describe location, size, color, shape and direction.  3: Use words to describe actions.  4: Use context to predict and infer word meanings.  5: Learn new words through explicit instruction.  I, C, 1: Demonstrate literal comprehension by asking and answering questions about narrative and informational text.  2: Make predictions from illustrations and story content.  3: Write or draw a response that demonstrates comprehension.  4: Relate texts to prior knowledge and experiences.  III, A, 1: Participate in and follow agreed-upon rules for conversation and formal discussions.  2: Follow two-step directions.  3: Attend to and understand the meaning of messages.  4: Communicate needs, feelings and ideas to peers and adults.  5: Recite and respond to poems, rhymes and songs.  6: Respond orally to language patterns in stories and poems.  7: Use voice level appropriate for language situation.  8: Ask and respond to questions.  <b>Mathematics:</b>  III, A, 3: Recognize, describe and extend repeating patterns involving up to three elements using objects, pictures, sounds or movements.  IV, A, 1: Represent data about classmates or their surroundings by using objects or pictures.</p>
<b>K Life Science</b>	<b>Trees</b>	Leaves	<b>#1: The Shape of Things</b>  <b>#64: Looking at Leaves</b>	<p><b>Science:</b>  I, B, 1: Observe and describe common objects using simple tools.  <b>Language Arts:</b>  I, B, 2: Use words to describe location, color, size, shape and direction.  III, A, 1: Participate in and follow agreed-upon rules for conversation and formal discussions.  2: Follow two-step directions.  3: Attend to and understand the meaning of messages.  4: Communicate needs, feelings and ideas to peers and adults  <b>Mathematics:</b>  IV, A, 1: Represent data about classmates or their surroundings by using objects or pictures.</p>

<b>K Life Science</b>	<b>Trees</b>	Trees through the Seasons	<b>#20: Environmental Exchange Box</b>  <b>#43: Have Seeds, Will Travel</b>  <b>#62: To Be A Tree</b>  <b>#63: Tree Factory (variation)</b>  <b>#65: Bursting Buds</b>  <b>#78: Signs of Fall: Part A</b>  <b>#79: Tree Lifecycle (variation)</b>  <b>#95: Did You Notice?</b>	V, B, 1: Sort two- and three-dimensional shapes according to their geometrical attributes.  <b>Science:</b> III, B, 1: Describe daily and seasonal changes in weather. IV, B, 1: Compare and contrast living and non living things. IV, G, 1: Observe and describe the environment using the five senses <b>Language Arts:</b> I, B, 1: Use words to describe and name people, places and things. 2: Use words to describe location, size, color, shape and direction. 3: Use words to describe actions. 5: Learn new words through explicit instruction. I, C, 1: Demonstrate literal comprehension by asking and answering questions about narrative and informational text. 3: Write or draw a response that demonstrates comprehension. III, A, 1: Participate in and follow agreed-upon rules for conversation and formal discussions. 2: Follow two-step directions. 3: Attend to and understand the meaning of messages. 4: Communicate needs, feelings and ideas to peers and adults. 8: Ask and respond to questions. III, B, 1: Follow print (words and text) from left to right and top to bottom.
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