

**Main Criteria:** National Theatre for Children

**Secondary Criteria:** Texas Essential Knowledge and Skills (TEKS), Next Generation Science Standards (NGSS)

**Subject:** Science

**Grades:** K, 1, 2

## National Theatre for Children

### How electricity is made

#### Texas Essential Knowledge and Skills (TEKS)

##### Science

Grade 1 - Adopted: 2010

<b>TEKS</b>	<b>TX.112.12</b>	<b>Science, Grade 1.</b>
<b>STUDENT EXPECTATION</b>	<b>(1.3)</b>	<b>Scientific investigation and reasoning. The student knows that information and critical thinking are used in scientific problem solving. The student is expected to:</b>
<b>GRADE LEVEL EXPECTATION</b>	<b>1.3 (C)</b>	<b>Describe what scientists do.</b>
<b>TEKS</b>	<b>TX.112.12</b>	<b>Science, Grade 1.</b>
<b>STUDENT EXPECTATION</b>	<b>(1.6)</b>	<b>Force, motion, and energy. The student knows that force, motion, and energy are related and are a part of everyday life. The student is expected to:</b>
<b>GRADE LEVEL EXPECTATION</b>	<b>1.6 (A)</b>	<b>Identify and discuss how different forms of energy such as light, heat, and sound are important to everyday life.</b>

#### Texas Essential Knowledge and Skills (TEKS)

##### Science

Grade 2 - Adopted: 2010

<b>TEKS</b>	<b>TX.112.13</b>	<b>Science, Grade 2.</b>
<b>STUDENT EXPECTATION</b>	<b>(2.3)</b>	<b>Scientific investigation and reasoning. The student knows that information and critical thinking, scientific problem solving, and the contributions of scientists are used in making decisions. The student is expected to:</b>
<b>GRADE LEVEL EXPECTATION</b>	<b>2.3 (C)</b>	<b>Identify what a scientist is and explore what different scientists do.</b>
<b>TEKS</b>	<b>TX.112.13</b>	<b>Science, Grade 2.</b>
<b>STUDENT EXPECTATION</b>	<b>(2.7)</b>	<b>Earth and space. The student knows that the natural world includes earth materials. The student is expected to:</b>
<b>GRADE LEVEL EXPECTATION</b>	<b>2.7 (C)</b>	<b>Distinguish between natural and manmade resources.</b>

### How energy is used unwisely

#### Next Generation Science Standards (NGSS)

##### Science

Grade K - Adopted: 2013

<b>STRAND</b>	<b>NGSS.K-ESS.</b>	<b>EARTH AND SPACE SCIENCE</b>
<b>TITLE</b>	<b>K-ESS3.</b>	<b>Earth and Human Activity</b>
		<b>Students who demonstrate understanding can:</b>
<b>PERFORMANCE EXPECTATION</b>	<b>K-ESS3-3.</b>	<b>Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment.</b>

#### Texas Essential Knowledge and Skills (TEKS)

##### Science

Grade K - Adopted: 2010

<b>TEKS</b>	<b>TX.112.11</b>	<b>Science, Kindergarten.</b>
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<b>STUDENT EXPECTATION</b>	<b>(K.1)</b>	<b>Scientific investigation and reasoning. The student conducts classroom and outdoor investigations following home and school safety procedures and uses environmentally appropriate and responsible practices. The student is expected to:</b>
<b>GRADE LEVEL EXPECTATION</b>	<b>K.1 (C)</b>	<b>Demonstrate how to use, conserve, and dispose of natural resources and materials such as conserving water and reusing or recycling paper, plastic, and metal.</b>

**Texas Essential Knowledge and Skills (TEKS)**

**Science**

Grade 1 - Adopted: 2010

<b>TEKS</b>	<b>TX.112.12</b>	<b>Science, Grade 1.</b>
<b>STUDENT EXPECTATION</b>	<b>(1.1)</b>	<b>Scientific investigation and reasoning. The student conducts classroom and outdoor investigations following home and school safety procedures and uses environmentally appropriate and responsible practices. The student is expected to:</b>
<b>GRADE LEVEL EXPECTATION</b>	<b>1.1 (C)</b>	<b>Identify and learn how to use natural resources and materials, including conservation and reuse or recycling of paper, plastic, and metals.</b>

**Texas Essential Knowledge and Skills (TEKS)**

**Science**

Grade 2 - Adopted: 2010

<b>TEKS</b>	<b>TX.112.13</b>	<b>Science, Grade 2.</b>
<b>STUDENT EXPECTATION</b>	<b>(2.7)</b>	<b>Earth and space. The student knows that the natural world includes earth materials. The student is expected to:</b>
<b>GRADE LEVEL EXPECTATION</b>	<b>2.7 (C)</b>	<b>Distinguish between natural and manmade resources.</b>

Identifying dangerous electrical situations

**Texas Essential Knowledge and Skills (TEKS)**

**Science**

Grade 1 - Adopted: 2010

<b>TEKS</b>	<b>TX.112.12</b>	<b>Science, Grade 1.</b>
<b>STUDENT EXPECTATION</b>	<b>(1.6)</b>	<b>Force, motion, and energy. The student knows that force, motion, and energy are related and are a part of everyday life. The student is expected to:</b>
<b>GRADE LEVEL EXPECTATION</b>	<b>1.6 (A)</b>	<b>Identify and discuss how different forms of energy such as light, heat, and sound are important to everyday life.</b>

The science of energy and technology

**Texas Essential Knowledge and Skills (TEKS)**

**Science**

Grade 1 - Adopted: 2010

<b>TEKS</b>	<b>TX.112.12</b>	<b>Science, Grade 1.</b>
<b>STUDENT EXPECTATION</b>	<b>(1.1)</b>	<b>Scientific investigation and reasoning. The student conducts classroom and outdoor investigations following home and school safety procedures and uses environmentally appropriate and responsible practices. The student is expected to:</b>
<b>GRADE LEVEL EXPECTATION</b>	<b>1.1 (C)</b>	<b>Identify and learn how to use natural resources and materials, including conservation and reuse or recycling of paper, plastic, and metals.</b>

<b>TEKS</b>	<b>TX.112.12</b>	<b>Science, Grade 1.</b>
<b>STUDENT EXPECTATION</b>	<b>(1.6)</b>	<b>Force, motion, and energy. The student knows that force, motion, and energy are related and are a part of everyday life. The student is expected to:</b>
<b>GRADE LEVEL EXPECTATION</b>	<b>1.6 (A)</b>	<b>Identify and discuss how different forms of energy such as light, heat, and sound are important to everyday life.</b>

**Texas Essential Knowledge and Skills (TEKS)**

**Science**

## Grade 2 - Adopted: 2010

<b>TEKS</b>	<b>TX.112.13</b>	<b>Science, Grade 2.</b>
<b>STUDENT EXPECTATION</b>	<b>(2.7)</b>	<b>Earth and space. The student knows that the natural world includes earth materials. The student is expected to:</b>
<b>GRADE LEVEL EXPECTATION</b>	<b>2.7 (C)</b>	<b>Distinguish between natural and manmade resources.</b>

## The uses of electricity

## Next Generation Science Standards (NGSS)

## Science

## Grade K - Adopted: 2013

<b>STRAND</b>	<b>NGSS.K-PS.</b>	<b>PHYSICAL SCIENCE</b>
<b>TITLE</b>	<b>K-PS3.</b>	<b>Energy</b>
		<b>Students who demonstrate understanding can:</b>
<b>PERFORMANCE EXPECTATION</b>	<b>K-PS3-1.</b>	<b>Make observations to determine the effect of sunlight on Earth's surface.</b>
<b>STRAND</b>	<b>NGSS.K-ESS.</b>	<b>EARTH AND SPACE SCIENCE</b>
<b>TITLE</b>	<b>K-ESS3.</b>	<b>Earth and Human Activity</b>
		<b>Students who demonstrate understanding can:</b>
<b>PERFORMANCE EXPECTATION</b>	<b>K-ESS3-3.</b>	<b>Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment.</b>

## Texas Essential Knowledge and Skills (TEKS)

## Science

## Grade 1 - Adopted: 2010

<b>TEKS</b>	<b>TX.112.12</b>	<b>Science, Grade 1.</b>
<b>STUDENT EXPECTATION</b>	<b>(1.1)</b>	<b>Scientific investigation and reasoning. The student conducts classroom and outdoor investigations following home and school safety procedures and uses environmentally appropriate and responsible practices. The student is expected to:</b>
<b>GRADE LEVEL EXPECTATION</b>	<b>1.1 (C)</b>	<b>Identify and learn how to use natural resources and materials, including conservation and reuse or recycling of paper, plastic, and metals.</b>
<b>TEKS</b>	<b>TX.112.12</b>	<b>Science, Grade 1.</b>
<b>STUDENT EXPECTATION</b>	<b>(1.6)</b>	<b>Force, motion, and energy. The student knows that force, motion, and energy are related and are a part of everyday life. The student is expected to:</b>
<b>GRADE LEVEL EXPECTATION</b>	<b>1.6 (A)</b>	<b>Identify and discuss how different forms of energy such as light, heat, and sound are important to everyday life.</b>

## Texas Essential Knowledge and Skills (TEKS)

## Science

## Grade 2 - Adopted: 2010

<b>TEKS</b>	<b>TX.112.13</b>	<b>Science, Grade 2.</b>
<b>STUDENT EXPECTATION</b>	<b>(2.7)</b>	<b>Earth and space. The student knows that the natural world includes earth materials. The student is expected to:</b>
<b>GRADE LEVEL EXPECTATION</b>	<b>2.7 (C)</b>	<b>Distinguish between natural and manmade resources.</b>

## Ways to stay safe around electricity

## Texas Essential Knowledge and Skills (TEKS)

## Science

## Grade 1 - Adopted: 2010

<b>TEKS</b>	<b>TX.112.12</b>	<b>Science, Grade 1.</b>
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STUDENT EXPECTATION	(1.6)	Force, motion, and energy. The student knows that force, motion, and energy are related and are a part of everyday life. The student is expected to:
GRADE LEVEL EXPECTATION	1.6 (A)	Identify and discuss how different forms of energy such as light, heat, and sound are important to everyday life.

What are energy and electricity

*No Correlations Found*

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