Main Criteria: National Theatre for Children

Secondary Criteria: Wisconsin Academic Standards, Next Generation Science Standards (NGSS)

Subject: Science

Grades: K, 1, 2

National Theatre for Children

How electricity is made

Wisconsin Academic Standards

Science

Grade **K** - Adopted: **1998**

DOMAIN	**WI.B.**	**Nature of Science: Students in Wisconsin will understand that science is ongoing and inventive, and that scientific understandings have changed over time as new evidence is found.**
CONTENT STANDARD	**B.4.3.**	**Show how the major developments of scientific knowledge in the earth and space, life and environmental, and physical sciences have changed over time.**
DOMAIN	**WI.C.**	**Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.**
CONTENT STANDARD	**C.4.1.**	**Use the vocabulary of the unifying themes to ask questions about objects, organisms, and events being studied.**
CONTENT STANDARD	**C.4.2.**	**Use the science content being learned to ask questions, plan investigations, make observations, make predictions, and offer explanations.**
DOMAIN	**WI.D.**	**Physical Science: Students in Wisconsin will demonstrate an understanding of the physical and chemical properties of matter, the forms and properties of energy, and the ways in which matter and energy interact.**
CONTENT STANDARD	**D.4.8.**	**Light, Heat, Electricity, and Magnetism: Ask questions and make observations to discover the differences between substances that can be touched (matter) and substances that cannot be touched (forms of energy, light, heat, electricity, sound, and magnetism).**
DOMAIN	**WI.E.**	**Earth and Space Science: Students in Wisconsin will demonstrate an understanding of the structure and systems of earth and other bodies in the universe and of their interactions.**
CONTENT STANDARD	**E.4.7.**	**Changes in The Earth and Sky: Using the science themes, describe resources used in the home, community, and nation as a whole.**
DOMAIN	**WI.G.**	**Science Applications: Students in Wisconsin will demonstrate an understanding of the relationship between science and technology and the ways in which that relationship influences human activities.**
CONTENT STANDARD	**G.4.3.**	**Determine what science discoveries have led to changes in technologies that are being used in the workplace by someone employed locally.**
CONTENT STANDARD	**G.4.5.**	**Ask questions to find answers about how devices and machines were invented and produced.**
DOMAIN	**WI.H.**	**Science Applications: Students in Wisconsin will use scientific information and skills to make decisions about themselves, Wisconsin, and the world in which they live.**
CONTENT STANDARD	**H.4.2.**	**Using the science themes, identify local and state issues that are helped by science and technology and explain how science and technology can also cause a problem.**

Wisconsin Academic Standards

Science

Grade **1** - Adopted: **1998**

DOMAIN	**WI.B.**	**Nature of Science: Students in Wisconsin will understand that science is ongoing and inventive, and that scientific understandings have changed over time as new evidence is found.**
CONTENT STANDARD	**B.4.3.**	**Show how the major developments of scientific knowledge in the earth and space, life and environmental, and physical sciences have changed over time.**
DOMAIN	**WI.C.**	**Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.**
CONTENT STANDARD	**C.4.1.**	**Use the vocabulary of the unifying themes to ask questions about objects, organisms, and events being studied.**

CONTENT STANDARD	C.4.2.	Use the science content being learned to ask questions, plan investigations, make observations, make predictions, and offer explanations.
DOMAIN	WI.D.	Physical Science: Students in Wisconsin will demonstrate an understanding of the physical and chemical properties of matter, the forms and properties of energy, and the ways in which matter and energy interact.
CONTENT STANDARD	D.4.8.	Light, Heat, Electricity, and Magnetism: Ask questions and make observations to discover the differences between substances that can be touched (matter) and substances that cannot be touched (forms of energy, light, heat, electricity, sound, and magnetism).
DOMAIN	WI.E.	Earth and Space Science: Students in Wisconsin will demonstrate an understanding of the structure and systems of earth and other bodies in the universe and of their interactions.
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DOMAIN	WI.H.	Science Applications: Students in Wisconsin will use scientific information and skills to make decisions about themselves, Wisconsin, and the world in which they live.
CONTENT STANDARD	H.4.2.	Using the science themes, identify local and state issues that are helped by science and technology and explain how science and technology can also cause a problem.

Wisconsin Academic Standards

Science

Grade **2** - Adopted: **1998**

DOMAIN	WI.B.	Nature of Science: Students in Wisconsin will understand that science is ongoing and inventive, and that scientific understandings have changed over time as new evidence is found.
CONTENT STANDARD	B.4.3.	Show how the major developments of scientific knowledge in the earth and space, life and environmental, and physical sciences have changed over time.
DOMAIN	WI.C.	Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.
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How energy is used unwisely

Next Generation Science Standards (NGSS)

Science

Grade **K** - Adopted: **2013**

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

Wisconsin Academic Standards

Science

Grade **K** - Adopted: **1998**

DOMAIN	**WI.C.**	**Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.**
CONTENT STANDARD	**C.4.1.**	**Use the vocabulary of the unifying themes to ask questions about objects, organisms, and events being studied.**
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CONTENT STANDARD	**E.4.7.**	**Changes in The Earth and Sky: Using the science themes, describe resources used in the home, community, and nation as a whole.**
CONTENT STANDARD	**E.4.8.**	**Changes in The Earth and Sky: Illustrate human resources use in mining, forestry, farming, and manufacturing in Wisconsin and elsewhere in the world.**
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CONTENT STANDARD	**H.4.2.**	**Using the science themes, identify local and state issues that are helped by science and technology and explain how science and technology can also cause a problem.**

Wisconsin Academic Standards

Science

Grade **1** - Adopted: **1998**

DOMAIN	**WI.C.**	**Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.**
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CONTENT STANDARD	H.4.2.	Using the science themes, identify local and state issues that are helped by science and technology and explain how science and technology can also cause a problem.

Wisconsin Academic Standards

Science

Grade **2** - Adopted: **1998**

DOMAIN	WI.C.	Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.
CONTENT STANDARD	C.4.1.	Use the vocabulary of the unifying themes to ask questions about objects, organisms, and events being studied.
DOMAIN	WI.D.	Physical Science: Students in Wisconsin will demonstrate an understanding of the physical and chemical properties of matter, the forms and properties of energy, and the ways in which matter and energy interact.
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How we use natural resources

Wisconsin Academic Standards

Science

Grade **K** - Adopted: **1998**

DOMAIN	WI.C.	Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.
CONTENT STANDARD	C.4.1.	Use the vocabulary of the unifying themes to ask questions about objects, organisms, and events being studied.
DOMAIN	WI.E.	Earth and Space Science: Students in Wisconsin will demonstrate an understanding of the structure and systems of earth and other bodies in the universe and of their interactions.
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Wisconsin Academic Standards

Science

Grade **1** - Adopted: **1998**

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Wisconsin Academic Standards

Science

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The science of energy and technology

Wisconsin Academic Standards

Science

Grade **K** - Adopted: **1998**

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Wisconsin Academic Standards

Science

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DOMAIN	**WI.H.**	**Science Applications: Students in Wisconsin will use scientific information and skills to make decisions about themselves, Wisconsin, and the world in which they live.**
CONTENT STANDARD	**H.4.2.**	**Using the science themes, identify local and state issues that are helped by science and technology and explain how science and technology can also cause a problem.**

Wisconsin Academic Standards

Science

Grade **2** - Adopted: **1998**

DOMAIN	**WI.C.**	**Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.**
CONTENT STANDARD	**C.4.1.**	**Use the vocabulary of the unifying themes to ask questions about objects, organisms, and events being studied.**
DOMAIN	**WI.D.**	**Physical Science: Students in Wisconsin will demonstrate an understanding of the physical and chemical properties of matter, the forms and properties of energy, and the ways in which matter and energy interact.**
CONTENT STANDARD	**D.4.8.**	**Light, Heat, Electricity, and Magnetism: Ask questions and make observations to discover the differences between substances that can be touched (matter) and substances that cannot be touched (forms of energy, light, heat, electricity, sound, and magnetism).**
DOMAIN	**WI.E.**	**Earth and Space Science: Students in Wisconsin will demonstrate an understanding of the structure and systems of earth and other bodies in the universe and of their interactions.**
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DOMAIN	**WI.H.**	**Science Applications: Students in Wisconsin will use scientific information and skills to make decisions about themselves, Wisconsin, and the world in which they live.**
CONTENT STANDARD	**H.4.2.**	**Using the science themes, identify local and state issues that are helped by science and technology and explain how science and technology can also cause a problem.**

The science of natural resources

Wisconsin Academic Standards

Science

Grade **K** - Adopted: **1998**

DOMAIN	**WI.C.**	**Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.**
CONTENT STANDARD	**C.4.1.**	**Use the vocabulary of the unifying themes to ask questions about objects, organisms, and events being studied.**
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Wisconsin Academic Standards

Science

Grade **1** - Adopted: **1998**

DOMAIN	WI.C.	Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.
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Wisconsin Academic Standards

Science

Grade **2** - Adopted: **1998**

DOMAIN	WI.C.	Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.
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The uses of electricity

Next Generation Science Standards (NGSS)

Science

Grade **K** - Adopted: **2013**

STRAND	NGSS.K-PS.	PHYSICAL SCIENCE
TITLE	K-PS3.	Energy
		Students who demonstrate understanding can:
PERFORMANCE EXPECTATION	K-PS3-1.	Make observations to determine the effect of sunlight on Earth's surface.
STRAND	NGSS.K-ESS.	EARTH AND SPACE SCIENCE
TITLE	K-ESS3.	Earth and Human Activity
		Students who demonstrate understanding can:

PERFORMANCE EXPECTATION	K-ESS3-3.	Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment.

Wisconsin Academic Standards

Science

Grade **K** - Adopted: **1998**

DOMAIN	WI.C.	Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.
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CONTENT STANDARD	H.4.2.	Using the science themes, identify local and state issues that are helped by science and technology and explain how science and technology can also cause a problem.
CONTENT STANDARD	H.4.4.	Develop a list of issues that citizens must make decisions about and describe a strategy for becoming informed about the science behind these issues.

Wisconsin Academic Standards

Science

Grade **1** - Adopted: **1998**

DOMAIN	WI.C.	Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.
CONTENT STANDARD	C.4.1.	Use the vocabulary of the unifying themes to ask questions about objects, organisms, and events being studied.
CONTENT STANDARD	C.4.2.	Use the science content being learned to ask questions, plan investigations, make observations, make predictions, and offer explanations.
DOMAIN	WI.E.	Earth and Space Science: Students in Wisconsin will demonstrate an understanding of the structure and systems of earth and other bodies in the universe and of their interactions.
CONTENT STANDARD	E.4.7.	Changes in The Earth and Sky: Using the science themes, describe resources used in the home, community, and nation as a whole.
CONTENT STANDARD	E.4.8.	Changes in The Earth and Sky: Illustrate human resources use in mining, forestry, farming, and manufacturing in Wisconsin and elsewhere in the world.
DOMAIN	WI.G.	Science Applications: Students in Wisconsin will demonstrate an understanding of the relationship between science and technology and the ways in which that relationship influences human activities.
CONTENT STANDARD	G.4.3.	Determine what science discoveries have led to changes in technologies that are being used in the workplace by someone employed locally.
DOMAIN	WI.H.	Science Applications: Students in Wisconsin will use scientific information and skills to make decisions about themselves, Wisconsin, and the world in which they live.
CONTENT STANDARD	H.4.2.	Using the science themes, identify local and state issues that are helped by science and technology and explain how science and technology can also cause a problem.
CONTENT STANDARD	H.4.4.	Develop a list of issues that citizens must make decisions about and describe a strategy for becoming informed about the science behind these issues.

Wisconsin Academic Standards

Science

Grade **2** - Adopted: **1998**

DOMAIN	**WI.C.**	**Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.**
CONTENT STANDARD	C.4.1.	Use the vocabulary of the unifying themes to ask questions about objects, organisms, and events being studied.
CONTENT STANDARD	C.4.2.	Use the science content being learned to ask questions, plan investigations, make observations, make predictions, and offer explanations.
DOMAIN	**WI.E.**	**Earth and Space Science: Students in Wisconsin will demonstrate an understanding of the structure and systems of earth and other bodies in the universe and of their interactions.**
CONTENT STANDARD	E.4.7.	Changes in The Earth and Sky: Using the science themes, describe resources used in the home, community, and nation as a whole.
CONTENT STANDARD	E.4.8.	Changes in The Earth and Sky: Illustrate human resources use in mining, forestry, farming, and manufacturing in Wisconsin and elsewhere in the world.
DOMAIN	**WI.G.**	**Science Applications: Students in Wisconsin will demonstrate an understanding of the relationship between science and technology and the ways in which that relationship influences human activities.**
CONTENT STANDARD	G.4.3.	Determine what science discoveries have led to changes in technologies that are being used in the workplace by someone employed locally.
DOMAIN	**WI.H.**	**Science Applications: Students in Wisconsin will use scientific information and skills to make decisions about themselves, Wisconsin, and the world in which they live.**
CONTENT STANDARD	H.4.2.	Using the science themes, identify local and state issues that are helped by science and technology and explain how science and technology can also cause a problem.
CONTENT STANDARD	H.4.4.	Develop a list of issues that citizens must make decisions about and describe a strategy for becoming informed about the science behind these issues.

What YOU can do to conserve energy

Next Generation Science Standards (NGSS)

Science

Grade **K** - Adopted: **2013**

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

Wisconsin Academic Standards

Science

Grade **K** - Adopted: **1998**

DOMAIN	**WI.C.**	**Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.**
CONTENT STANDARD	C.4.1.	Use the vocabulary of the unifying themes to ask questions about objects, organisms, and events being studied.
DOMAIN	**WI.E.**	**Earth and Space Science: Students in Wisconsin will demonstrate an understanding of the structure and systems of earth and other bodies in the universe and of their interactions.**
CONTENT STANDARD	E.4.7.	Changes in The Earth and Sky: Using the science themes, describe resources used in the home, community, and nation as a whole.
DOMAIN	**WI.G.**	**Science Applications: Students in Wisconsin will demonstrate an understanding of the relationship between science and technology and the ways in which that relationship influences human activities.**
CONTENT STANDARD	G.4.3.	Determine what science discoveries have led to changes in technologies that are being used in the workplace by someone employed locally.
DOMAIN	**WI.H.**	**Science Applications: Students in Wisconsin will use scientific information and skills to make decisions about themselves, Wisconsin, and the world in which they live.**
CONTENT STANDARD	H.4.2.	Using the science themes, identify local and state issues that are helped by science and technology and explain how science and technology can also cause a problem.

CONTENT STANDARD	H.4.4.	Develop a list of issues that citizens must make decisions about and describe a strategy for becoming informed about the science behind these issues.

Wisconsin Academic Standards

Science

Grade **1** - Adopted: **1998**

DOMAIN	WI.C.	Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.
CONTENT STANDARD	C.4.1.	Use the vocabulary of the unifying themes to ask questions about objects, organisms, and events being studied.
DOMAIN	WI.E.	Earth and Space Science: Students in Wisconsin will demonstrate an understanding of the structure and systems of earth and other bodies in the universe and of their interactions.
CONTENT STANDARD	E.4.7.	Changes in The Earth and Sky: Using the science themes, describe resources used in the home, community, and nation as a whole.
DOMAIN	WI.G.	Science Applications: Students in Wisconsin will demonstrate an understanding of the relationship between science and technology and the ways in which that relationship influences human activities.
CONTENT STANDARD	G.4.3.	Determine what science discoveries have led to changes in technologies that are being used in the workplace by someone employed locally.
DOMAIN	WI.H.	Science Applications: Students in Wisconsin will use scientific information and skills to make decisions about themselves, Wisconsin, and the world in which they live.
CONTENT STANDARD	H.4.2.	Using the science themes, identify local and state issues that are helped by science and technology and explain how science and technology can also cause a problem.
CONTENT STANDARD	H.4.4.	Develop a list of issues that citizens must make decisions about and describe a strategy for becoming informed about the science behind these issues.

Wisconsin Academic Standards

Science

Grade **2** - Adopted: **1998**

DOMAIN	WI.C.	Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.
CONTENT STANDARD	C.4.1.	Use the vocabulary of the unifying themes to ask questions about objects, organisms, and events being studied.
DOMAIN	WI.E.	Earth and Space Science: Students in Wisconsin will demonstrate an understanding of the structure and systems of earth and other bodies in the universe and of their interactions.
CONTENT STANDARD	E.4.7.	Changes in The Earth and Sky: Using the science themes, describe resources used in the home, community, and nation as a whole.
DOMAIN	WI.G.	Science Applications: Students in Wisconsin will demonstrate an understanding of the relationship between science and technology and the ways in which that relationship influences human activities.
CONTENT STANDARD	G.4.3.	Determine what science discoveries have led to changes in technologies that are being used in the workplace by someone employed locally.
DOMAIN	WI.H.	Science Applications: Students in Wisconsin will use scientific information and skills to make decisions about themselves, Wisconsin, and the world in which they live.
CONTENT STANDARD	H.4.2.	Using the science themes, identify local and state issues that are helped by science and technology and explain how science and technology can also cause a problem.
CONTENT STANDARD	H.4.4.	Develop a list of issues that citizens must make decisions about and describe a strategy for becoming informed about the science behind these issues.

What are energy and electricity

Wisconsin Academic Standards

Science

Grade **K** - Adopted: **1998**

DOMAIN	WI.C.	Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.
CONTENT	C.4.1.	Use the vocabulary of the unifying themes to ask questions about objects,

STANDARD		organisms, and events being studied.
DOMAIN	WI.D.	Physical Science: Students in Wisconsin will demonstrate an understanding of the physical and chemical properties of matter, the forms and properties of energy, and the ways in which matter and energy interact.
CONTENT STANDARD	D.4.8.	Light, Heat, Electricity, and Magnetism: Ask questions and make observations to discover the differences between substances that can be touched (matter) and substances that cannot be touched (forms of energy, light, heat, electricity, sound, and magnetism).
DOMAIN	WI.G.	Science Applications: Students in Wisconsin will demonstrate an understanding of the relationship between science and technology and the ways in which that relationship influences human activities.
CONTENT STANDARD	G.4.3.	Determine what science discoveries have led to changes in technologies that are being used in the workplace by someone employed locally.
DOMAIN	WI.H.	Science Applications: Students in Wisconsin will use scientific information and skills to make decisions about themselves, Wisconsin, and the world in which they live.
CONTENT STANDARD	H.4.2.	Using the science themes, identify local and state issues that are helped by science and technology and explain how science and technology can also cause a problem.

Wisconsin Academic Standards

Science

Grade **1** - Adopted: **1998**

DOMAIN	WI.C.	Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.
CONTENT STANDARD	C.4.1.	Use the vocabulary of the unifying themes to ask questions about objects, organisms, and events being studied.
DOMAIN	WI.D.	Physical Science: Students in Wisconsin will demonstrate an understanding of the physical and chemical properties of matter, the forms and properties of energy, and the ways in which matter and energy interact.
CONTENT STANDARD	D.4.8.	Light, Heat, Electricity, and Magnetism: Ask questions and make observations to discover the differences between substances that can be touched (matter) and substances that cannot be touched (forms of energy, light, heat, electricity, sound, and magnetism).
DOMAIN	WI.G.	Science Applications: Students in Wisconsin will demonstrate an understanding of the relationship between science and technology and the ways in which that relationship influences human activities.
CONTENT STANDARD	G.4.3.	Determine what science discoveries have led to changes in technologies that are being used in the workplace by someone employed locally.
DOMAIN	WI.H.	Science Applications: Students in Wisconsin will use scientific information and skills to make decisions about themselves, Wisconsin, and the world in which they live.
CONTENT STANDARD	H.4.2.	Using the science themes, identify local and state issues that are helped by science and technology and explain how science and technology can also cause a problem.

Wisconsin Academic Standards

Science

Grade **2** - Adopted: **1998**

DOMAIN	WI.C.	Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.
CONTENT STANDARD	C.4.1.	Use the vocabulary of the unifying themes to ask questions about objects, organisms, and events being studied.
DOMAIN	WI.D.	Physical Science: Students in Wisconsin will demonstrate an understanding of the physical and chemical properties of matter, the forms and properties of energy, and the ways in which matter and energy interact.
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DOMAIN	WI.G.	Science Applications: Students in Wisconsin will demonstrate an understanding of the relationship between science and technology and the ways in which that relationship influences human activities.
CONTENT STANDARD	G.4.3.	Determine what science discoveries have led to changes in technologies that are being used in the workplace by someone employed locally.
DOMAIN	WI.H.	Science Applications: Students in Wisconsin will use scientific information and skills

		to make decisions about themselves, Wisconsin, and the world in which they live.
CONTENT STANDARD	H.4.2.	Using the science themes, identify local and state issues that are helped by science and technology and explain how science and technology can also cause a problem.

What are energy resources

Wisconsin Academic Standards

Science

Grade **K** - Adopted: **1998**

DOMAIN	WI.C.	Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.
CONTENT STANDARD	C.4.1.	Use the vocabulary of the unifying themes to ask questions about objects, organisms, and events being studied.
DOMAIN	WI.D.	Physical Science: Students in Wisconsin will demonstrate an understanding of the physical and chemical properties of matter, the forms and properties of energy, and the ways in which matter and energy interact.
CONTENT STANDARD	D.4.8.	Light, Heat, Electricity, and Magnetism: Ask questions and make observations to discover the differences between substances that can be touched (matter) and substances that cannot be touched (forms of energy, light, heat, electricity, sound, and magnetism).
DOMAIN	WI.E.	Earth and Space Science: Students in Wisconsin will demonstrate an understanding of the structure and systems of earth and other bodies in the universe and of their interactions.
CONTENT STANDARD	E.4.7.	Changes in The Earth and Sky: Using the science themes, describe resources used in the home, community, and nation as a whole.
CONTENT STANDARD	E.4.8.	Changes in The Earth and Sky: Illustrate human resources use in mining, forestry, farming, and manufacturing in Wisconsin and elsewhere in the world.
DOMAIN	WI.G.	Science Applications: Students in Wisconsin will demonstrate an understanding of the relationship between science and technology and the ways in which that relationship influences human activities.
CONTENT STANDARD	G.4.3.	Determine what science discoveries have led to changes in technologies that are being used in the workplace by someone employed locally.
DOMAIN	WI.H.	Science Applications: Students in Wisconsin will use scientific information and skills to make decisions about themselves, Wisconsin, and the world in which they live.
CONTENT STANDARD	H.4.2.	Using the science themes, identify local and state issues that are helped by science and technology and explain how science and technology can also cause a problem.

Wisconsin Academic Standards

Science

Grade **1** - Adopted: **1998**

DOMAIN	WI.C.	Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.
CONTENT STANDARD	C.4.1.	Use the vocabulary of the unifying themes to ask questions about objects, organisms, and events being studied.
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CONTENT STANDARD	E.4.7.	Changes in The Earth and Sky: Using the science themes, describe resources used in the home, community, and nation as a whole.
CONTENT STANDARD	E.4.8.	Changes in The Earth and Sky: Illustrate human resources use in mining, forestry, farming, and manufacturing in Wisconsin and elsewhere in the world.
DOMAIN	WI.G.	Science Applications: Students in Wisconsin will demonstrate an understanding of the relationship between science and technology and the ways in which that relationship influences human activities.

CONTENT STANDARD	G.4.3.	Determine what science discoveries have led to changes in technologies that are being used in the workplace by someone employed locally.
DOMAIN	WI.H.	Science Applications: Students in Wisconsin will use scientific information and skills to make decisions about themselves, Wisconsin, and the world in which they live.
CONTENT STANDARD	H.4.2.	Using the science themes, identify local and state issues that are helped by science and technology and explain how science and technology can also cause a problem.

Wisconsin Academic Standards

Science

Grade **2** - Adopted: **1998**

DOMAIN	WI.C.	Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.
CONTENT STANDARD	C.4.1.	Use the vocabulary of the unifying themes to ask questions about objects, organisms, and events being studied.
DOMAIN	WI.D.	Physical Science: Students in Wisconsin will demonstrate an understanding of the physical and chemical properties of matter, the forms and properties of energy, and the ways in which matter and energy interact.
CONTENT STANDARD	D.4.8.	Light, Heat, Electricity, and Magnetism: Ask questions and make observations to discover the differences between substances that can be touched (matter) and substances that cannot be touched (forms of energy, light, heat, electricity, sound, and magnetism).
DOMAIN	WI.E.	Earth and Space Science: Students in Wisconsin will demonstrate an understanding of the structure and systems of earth and other bodies in the universe and of their interactions.
CONTENT STANDARD	E.4.7.	Changes in The Earth and Sky: Using the science themes, describe resources used in the home, community, and nation as a whole.
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DOMAIN	WI.H.	Science Applications: Students in Wisconsin will use scientific information and skills to make decisions about themselves, Wisconsin, and the world in which they live.
CONTENT STANDARD	H.4.2.	Using the science themes, identify local and state issues that are helped by science and technology and explain how science and technology can also cause a problem.

What is and how to be Energy Efficient

Next Generation Science Standards (NGSS)

Science

Grade **K** - Adopted: **2013**

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

Wisconsin Academic Standards

Science

Grade **K** - Adopted: **1998**

DOMAIN	WI.C.	Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.
CONTENT STANDARD	C.4.1.	Use the vocabulary of the unifying themes to ask questions about objects, organisms, and events being studied.
DOMAIN	WI.D.	Physical Science: Students in Wisconsin will demonstrate an understanding of the physical and chemical properties of matter, the forms and properties of energy, and the ways in which matter and energy interact.

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DOMAIN	WI.E.	Earth and Space Science: Students in Wisconsin will demonstrate an understanding of the structure and systems of earth and other bodies in the universe and of their interactions.
CONTENT STANDARD	E.4.7.	Changes in The Earth and Sky: Using the science themes, describe resources used in the home, community, and nation as a whole.
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Wisconsin Academic Standards

Science

Grade **1** - Adopted: **1998**

DOMAIN	WI.C.	Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.
CONTENT STANDARD	C.4.1.	Use the vocabulary of the unifying themes to ask questions about objects, organisms, and events being studied.
DOMAIN	WI.D.	Physical Science: Students in Wisconsin will demonstrate an understanding of the physical and chemical properties of matter, the forms and properties of energy, and the ways in which matter and energy interact.
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DOMAIN	WI.E.	Earth and Space Science: Students in Wisconsin will demonstrate an understanding of the structure and systems of earth and other bodies in the universe and of their interactions.
CONTENT STANDARD	E.4.7.	Changes in The Earth and Sky: Using the science themes, describe resources used in the home, community, and nation as a whole.
CONTENT STANDARD	E.4.8.	Changes in The Earth and Sky: Illustrate human resources use in mining, forestry, farming, and manufacturing in Wisconsin and elsewhere in the world.
DOMAIN	WI.G.	Science Applications: Students in Wisconsin will demonstrate an understanding of the relationship between science and technology and the ways in which that relationship influences human activities.
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DOMAIN	WI.H.	Science Applications: Students in Wisconsin will use scientific information and skills to make decisions about themselves, Wisconsin, and the world in which they live.
CONTENT STANDARD	H.4.2.	Using the science themes, identify local and state issues that are helped by science and technology and explain how science and technology can also cause a problem.
CONTENT STANDARD	H.4.4.	Develop a list of issues that citizens must make decisions about and describe a strategy for becoming informed about the science behind these issues.

Wisconsin Academic Standards

Science

Grade **2** - Adopted: **1998**

DOMAIN	WI.C.	Science Inquiry: Students in Wisconsin will investigate questions using scientific methods and tools, revise their personal understanding to accommodate knowledge, and communicate these understandings to others.
CONTENT	C.4.1.	Use the vocabulary of the unifying themes to ask questions about objects,

STANDARD		organisms, and events being studied.
DOMAIN	WI.D.	Physical Science: Students in Wisconsin will demonstrate an understanding of the physical and chemical properties of matter, the forms and properties of energy, and the ways in which matter and energy interact.
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