

# Course 19

# Scope & Sequence

## Morse Code and the Light Bulb

	K	1st	2nd	3rd	4th	5th
Topic	Why we need effective communication and efficient lighting.	Enhancing existing tools and inventions.	Perseverance to make continuous improvements.	Using available resources to meet a need. The significance of innovative thinking and creative solutions that go beyond conventional boundaries.	Commitment and unwavering dedication to nurturing ideas.	The influence of the light bulb on the community and the economy.
Activity	Creating a communication device using string and cups: discussing the effects.	Light Bulb Bug Decorations, Worksheet: Perfecting	Inventor Showcase, Worksheet: Bright Ideas	Inventory Scavenger Hunt, Samuel Morse Review	inventor trading cards, thumbs up/thumbs down	(inventor's journey timeline, speaking of innovators
Learn More With Liberty	America's Innovations:  Morse code has played a role in communication during military wars and in transmitting important messages during crucial historical periods.	America's Innovations:  The light bulb and Thomas Edison have played a significant role in illuminating America.	America's Innovations:  In his laboratory, Thomas Edison persevered in his search for the right element for the light bulb, even after experimenting with over 1200 items.	America's Innovations:  Samuel Morse and Thomas Edison used items they already had around them to enhance their inventions.	America Innovations:  In his laboratory, Thomas Edison continued trying to find the right element for the light bulb even when he had tried over 1200 items.	America's Innovations:  Morse code and light impacted local communities and the economy.
Objectives	Define telegraph. Explain the importance of communication. List two scientific advancements that influenced life over the	Define Morse code. Explain the importance of communication. Evaluate the importance of enhancing or upgrading existing	Define perfecting. Identify the importance and impact of communication. Evaluate the importance of enhancing or	Define resourcefulness. Identify the importance and impact of communication. Evaluate the importance of enhancing or	Define resourcefulness. Define perseverance. Identify the importance and impact of communication. Evaluate the importance of	Define resourcefulness. Define perseverance. Identify the importance and impact of communication. Evaluate the importance of enhancing

	centuries.	items. List two scientific advancements that influenced life over the centuries.	upgrading existing items. List two scientific advancements that influenced life over the centuries.	upgrading existing items. List two scientific advancements that influenced life over the centuries.	enhancing or upgrading existing items. List two scientific advancements that influenced life over the centuries.	or upgrading existing items. List two scientific advancements that influenced life over the centuries. Examine similarities and differences between Samuel Morse and Thomas Edison.
Optional Faith Supplement	<p>Ephesians 4:29 Let no unwholesome word proceed from your mouth, but only such a word is good for edification according to the moment's need so that it will give grace to those who hear.</p> <p>Proverbs 16:21 The wise in heart will be called understanding, And the sweetness of speech increases persuasiveness.</p> <p>Ecclesiastes 10:12 Words from the mouth of a wise man are gracious, while the lips of a fool consume him;</p>	<p>Ephesians 4:29 Let no unwholesome word proceed from your mouth, but only such a word is good for edification according to the moment's need so that it will give grace to those who hear.</p> <p>Proverbs 16:21 The wise in heart will be called understanding, And the sweetness of speech increases persuasiveness.</p> <p>Ecclesiastes 10:12 Words from the mouth of a wise man are gracious, while the lips of a fool consume him;</p>	<p>Ephesians 4:29 Let no unwholesome word proceed from your mouth, but only such a word is good for edification according to the moment's need so that it will give grace to those who hear.</p> <p>Proverbs 16:21 The wise in heart will be called understanding, And the sweetness of speech increases persuasiveness.</p> <p>Ecclesiastes 10:12 Words from the mouth of a wise man are gracious, while the lips of a fool consume him;</p>	<p>Ephesians 4:29 Let no unwholesome word proceed from your mouth, but only such a word is good for edification according to the moment's need so that it will give grace to those who hear.</p> <p>Proverbs 16:21 The wise in heart will be called understanding, And the sweetness of speech increases persuasiveness.</p> <p>Ecclesiastes 10:12 Words from the mouth of a wise man are gracious, while the lips of a fool consume him;</p>	<p>Ephesians 4:29 Let no unwholesome word proceed from your mouth, but only such a word is good for edification according to the moment's need so that it will give grace to those who hear.</p> <p>Proverbs 16:21 The wise in heart will be called understanding, And the sweetness of speech increases persuasiveness.</p> <p>Ecclesiastes 10:12 Words from the mouth of a wise man are gracious, while the lips of a fool consume him;</p>	<p>Ephesians 4:29 Let no unwholesome word proceed from your mouth, but only such a word is good for edification according to the moment's need so that it will give grace to those who hear.</p> <p>Proverbs 16:21 The wise in heart will be called understanding, And the sweetness of speech increases persuasiveness.</p> <p>Ecclesiastes 10:12 Words from the mouth of a wise man are gracious, while the lips of a fool consume him;</p>