

# Morse Code Message

In honor of inventor Samuel F. B. Morse, use the written symbols for letters in International Morse Code to decipher the hidden message below.

<b>A</b> ·—	<b>B</b> -···	<b>C</b> -·-·	<b>D</b> -··	<b>E</b> ·	<b>F</b> ··-·	<b>G</b> -···
<b>H</b> ····	<b>I</b> ··	<b>J</b> ·-·-	<b>K</b> -·-·	<b>L</b> ·-··	<b>M</b> --	<b>N</b> -·
<b>O</b> ---	<b>P</b> ·-···	<b>Q</b> -·-·-·	<b>R</b> ···	<b>S</b> ···	<b>T</b> -·	<b>U</b> ··-
<b>V</b> ···-	<b>W</b> ··-·	<b>X</b> -·-·-·	<b>Y</b> -·-·-·	<b>Z</b> -··-·		

The coded message:

·- · -·-· · -·· -·-· -·· -·

·- -· -·-· -· -·· -·

·· -· -·-· -·-·-· -·-·-·



# Simple Machines Learning Center

Use the materials at this center to learn about simple machines as basic building blocks for invention. Use a fresh sheet for each simple machine you study.

The simple machine I'm studying is called: \_\_\_\_\_

It looks like this (draw a picture of it on the back of this sheet):

Here's my explanation of what it does and how it works:

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Is this simple machine used in the young pig's invention to turn out his lamp in *Lights Out*? If so, write the page number and describe exactly what it does.


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Here are three common machines or inventions that use this simple machine:

- 1.
- 2.
- 3.

Here are three ways I could use this simple machine in a new machine or invention:

- 1.
  - 2.
  - 3.
- 

# Compare and Contrast Inventors

Complete this worksheet to compare and contrast the lives and work of a pair of inventors.

**Inventor 1**

Name: \_\_\_\_\_

When and where did or do they live?  
\_\_\_\_\_

What are they most famous for?  
\_\_\_\_\_  
\_\_\_\_\_

Did they work in one main field or subject area? If so, what field? (transportation, communications, entertainment, etc.) If not, list several fields the inventor contributed to.  
\_\_\_\_\_  
\_\_\_\_\_

**Inventor 2**

Name: \_\_\_\_\_

When and where did or do they live?  
\_\_\_\_\_

What are they most famous for?  
\_\_\_\_\_  
\_\_\_\_\_

Did they work in one main field or subject area? If so, what field? (transportation, communications, entertainment, etc.) If not, list several fields the inventor contributed to.  
\_\_\_\_\_  
\_\_\_\_\_

Fill in the Venn diagram comparing and contrasting the lives and works of the two inventors. Label each circle with one of the names. Write words or phrases in each circle that describe his or her life and work. Write words or phrases that describe what they have in common in the overlapping area.

