



All Ages

Mike Mulligan and his Steam Shovel

Learning Lapbook with Study Guide



Created to be used with **MAESTRO CLASSICS™**

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**This lapbook is especially created to accompany the CD
Mike Mulligan and His Steam Shovel**

By: MAESTRO CLASSICS™

www.maestroclassics.com

It was created with their blessing!

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ISBN:

Printed in the United States of America

Mike Mulligan and His Steam Shovel

By: MAESTRO CLASSICS™

Maestro Classics™ presents Virginia Lee Burton's beloved children's tale, *Mike Mulligan and His Steam Shovel*.

The original music, composed and conducted by Stephen Simon, performed by the London Philharmonic Orchestra and narrated by Yadu, brings this classic story to life in a fresh and wondrous way.

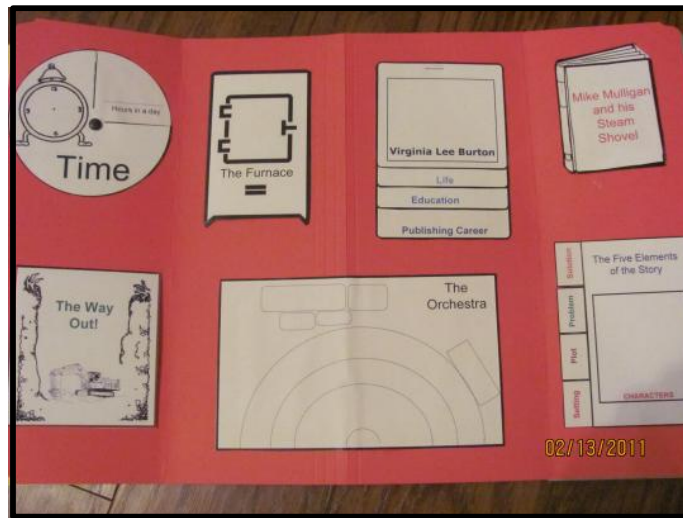
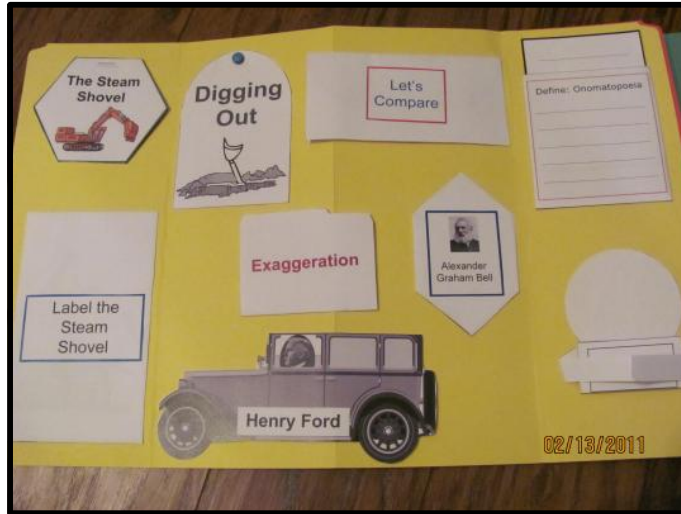
Our "Mike Mulligan and His Steam Shovel" learning lapbook™ is designed to go right along with the CD from Maestro Classics. The first two folders correlate with the reading of the story. The third folder is very unique. Each of the Maestro Classics™ stories also includes a story set to a full orchestral score, but every CD also includes a different musical genre as well. In this lapbook, your child will learn about the history of jazz, a section of the orchestra known as "Unusual Instruments," musical notations and so much more!

So, find a seat with your child in a comfortable place and have a wonderful time listening and learning!

CD sold separately
www.maestroclassics.com



Photos of assembled Mike Mulligan lapbook

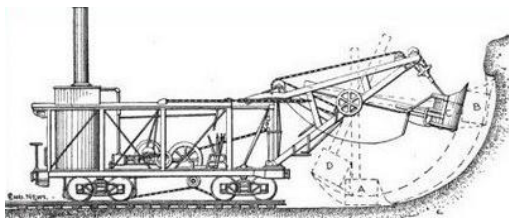


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The Steam Shovel

The Steam Shovel was invented by William Otis in 1839. Otis was a civil engineer who worked for the city in Pennsylvania. His job was to oversee the clearing of land and the construction of new buildings. Before his invention, most digging was done by men using picks, shovels and wheelbarrows. He envisioned a machine that could do the same movements but in a much quicker time.



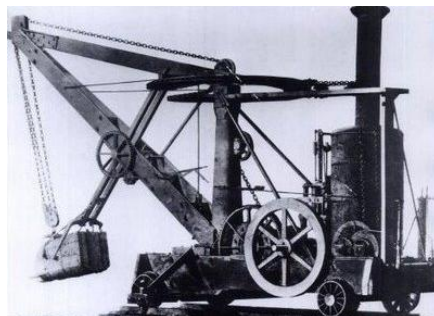
Original drawing

He drew out this idea and applied for a patent. His drawing showed a crane or long arm that was attached to the top of a railroad car. A large bucket was attached at the end of the crane. The crane and bucket were raised and lowered by a series of steam powered chains.

The bucket was manually moved from side to side by men using ropes. Ropes were also used to open and close the door on the bucket. The machine was able to move 250 cubic meters of dirt in one day.

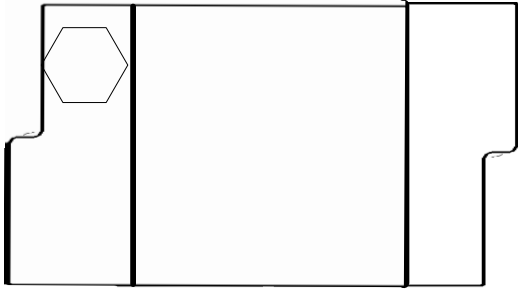
Otis was granted his patent in February of 1839. He called the machine "the Crane-dredge."

Even though he is credited with creating the machine that began the Industrial Revolution, he did not live long to enjoy the honor. In November of that same year, Otis contracted Typhus fever. He died at the age of 26.



Pictures from Steam Shovels and Steam Shovel Work by E.A. Hermann in 1894.

Folder 1



Read The Steam Shovel.

Cut out the large booklet and hamburger fold in the middle. Cut out the other two pieces. Stack inside of the large booklet. Staple at the top. Glue into lapbook.

Directions: Inside of the booklet, write about the topics listed on the pieces.



London Philharmonic Orchestra

The London Philharmonic Orchestra or LPO, as it is also known, is internationally known as the greatest recording orchestra in the world. It has recorded the movie sound tracks for Lawrence of Arabia, Star Wars, all the Harry Potter movies and even for video game soundtracks.

The orchestra is the resident orchestra at the Royal Festival Hall in the United Kingdom.

It was founded in 1932 by the legendary conductor Sir Thomas Beecham.

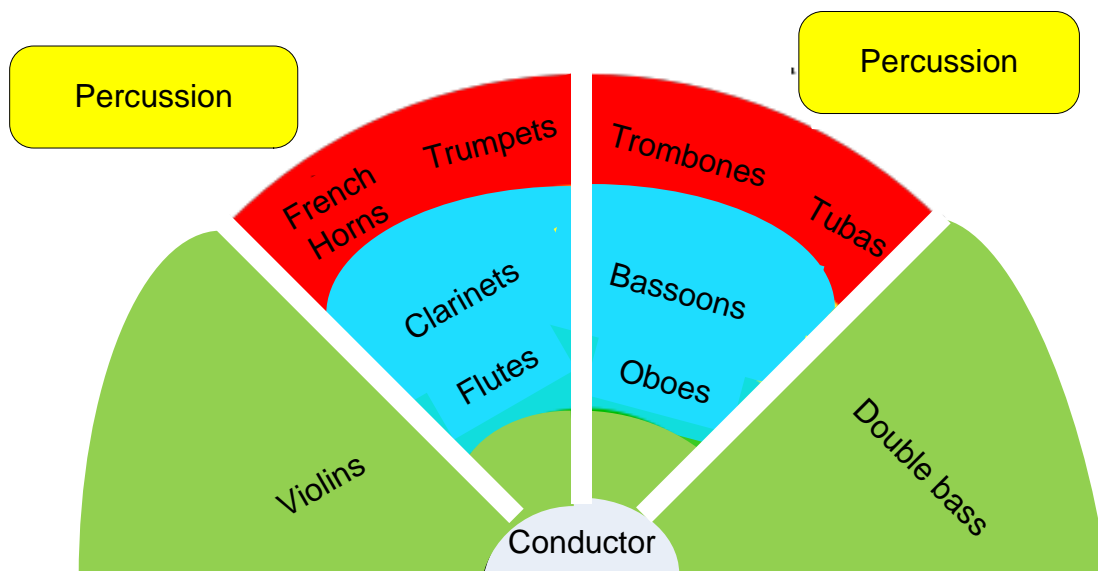
Orchestra is from a Greek work that means "area at the front of a stage."

Today an orchestra is composed of several different groups of families instruments: strings, brass, woodwind, and percussion.

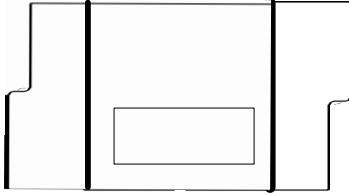
The number of players determines what an orchestra is called. If it has fewer than fifty players, it is called a "chamber orchestra." More than fifty and up to one hundred is called a "symphony orchestra" or "philharmonic orchestra."

A conductor is called a maestro. Maestro is Italian means "teacher." The conductor leads the musicians.

Below is a layout of how a typical orchestra is setup.



Folder 2



Read **London Philharmonic Orchestra**.

Cut out the booklet. Glue into lapbook.

Directions: Label the sections of the orchestra.

