



Sunflower
education

Social Studies

Actual Size



The Mayflower

Historic Transportation



Easily create Full-Scale Drawings Right on Your Playground!

To the Teacher

Turn the playground into a landscape for learning—and get ready to have some fun!
Actual Size—Historic Transportation brings high-interest social studies and science topics to life.

How *Actual Size—Historic Transportation* is Organized

Actual Size—Historic Transportation includes 14 delightful activities. Each one focuses on an actual size (full scale) or small-scale drawing or diagram.

Each activity consist of two pages:

- The **Activity Page** provides teaching material for how to create and use the drawing or diagram.
- The **Plan Page** provides the blueprint for the drawing or diagram itself.

Materials Needed

The materials needed for each activity are listed in the Prepare section of each Activity Page. For most activities, the key tools are:

- sidewalk chalk (and lots of it!)
- a meter or yardstick
- a measuring tape and/or a measuring wheel
- a carpenter's square
- chalk line reel

A few activities involve drawing small-scale diagrams that require small-scale human figures. These are included on the Plan Pages. You should plan on copying those pages and cutting them out.

How to Use the Activities

You may wish to integrate these activities into your curriculum or you may wish to use them as standalone fun. Teachers have used these activities as:

- lesson/topic openers
- main lesson topics
- extension activities
- enrichment activities
- independent class rewards

To the Teacher

A general lesson cycle for using the *Actual Size—Historic Transportation* includes the following steps, detailed on each of the Activity Pages:

Prepare

Each Activity Page begins with “Prepare.” There are two parts to Prepare: *Allow time* is the approximate amount of time the activity will take. *Gather materials* lists the materials you will need for the activity.

Focus

Each Activity Page follows Prepare with “Focus.” Focus includes bellringer and/or background information about the topic to help you get students excited about the lesson.

Present

Each Activity Page follows Focus with “Present.” Present provides step-by-step instructions for creating the drawing or diagram and leading your students in interacting with it. Here is where the real learning—and the real fun!—takes place. Depending on your situation, you may wish to create the drawing or diagram yourself or, more likely, to divvy up tasks among your students working individually or in groups or as a class. *Actual Size—Historic Transportation* can be used with children of all different ages; simply adjust the amount of help you give them as they draw the diagrams accordingly.

Many of the diagrams were drawn very simply so that they would be easier for children to replicate. If you wish, you can show students relevant photographs and paintings of their subject (included on the Activity Pages) to provide them with more detail. Older or more advanced students can add greater details to their illustrations. You will notice that several of the projects are very large. Depending on the space and time you have available, you may want to draw some of these diagrams or drawings at half or quarter scale.

Notice any boldfaced vocabulary terms that you may integrate into the activity. At the end of Present is a list of the vocabulary term(s) with concise definitions that you can share with your students.

KEY: Above all else, make sure that kids have the freedom to wander in and out of what they created, play (younger children enjoy make-believing), ask questions, and simply enjoy themselves. Essentially, you have just led them in creating a two-dimensional (and sometimes three-dimensional) specialized playscape. Let them have fun!

Conclude

Each Activity Page ends with “Conclude.” Here you will find ways to wind the lesson down, questions for you and the students to discuss, or extension activities. They can help students concretize the ideas they encountered during the activity.

To the Teacher

Pedagogy

The activities in *Actual Size—Historic Transportation* fall under many pedagogical categories. These activities are kinesthetic, multisensory, interdisciplinary, concrete, accommodating, converging, diverging, assimilating “hands-on,” project-based, grouped, and so on. Depending on your focus, and your pedagogical leanings, any of these aspects can be highlighted.

However you categorize the activities, though, the research is clear: the activities in *Actual Size—Historic Transportation* are pedagogically sound. According to the U.S. Department of Education, “the use of multiple representations—pictures, diagrams, charts and models—helps students visualize and understand difficult concepts.” Further, “research has found that when teachers make connections between abstract and concrete representations, students are better able to apply what they have learned across a range of situations.”

But, a simpler test is this: ask an adult to recall something from their own school days. Chances are, it will be a project or an activity. *Actual Size—Historic Transportation* is designed to help you create projects and lead activities that your students will find, literally, unforgettable!

We had one teacher share this about her experience: “My students got to see the fruits of their labor in just one class. It made them feel confident in themselves and in their imaginations.”

Confident kids—is there anything better?

Care to share? We would love to see pictures of your students’ creations.
Please email them to info@SunflowerEducation.net.

Visit **ActualSizeBooks.com** to extend instruction:
see videos, consult maps, listen to recordings, and more!

ActualSizeBooks.com

Grab some chalk
and get ready
for some fun!



This teaching packet is excerpted from the books, *Actual Size—Science* and *Actual Size—Social Studies*.
The Activity and Plan page numbers are for reference only.



Activity 6

The Mayflower

Students outline the Mayflower in order to help visualize the journey of the Pilgrims to America.

Prepare

- *Allow time:* approximately 45 minutes for this activity
- *Gather materials:* Plan 6, measuring tape or measuring wheel, sidewalk chalk, chalk line, carpenter's square

Focus

Today people can fly across the ocean in a matter of hours. Just a few hundred years ago, however, crossing the ocean was a dangerous voyage that would take months. Discuss with students what a flight in an airplane is like compared with a several month-long voyage in a ship.

Present

① Consult Plan 6. On the playground (or appropriate indoor floor), draw a 110-foot line using the measuring wheel and chalk line; draw another, 25-foot line at a right angle to the end of the first line using the carpenter's square. Then complete the rectangle. Using Plan 26 as a guide, have students draw the outline of the *Mayflower* inside the rectangle.

② Around 130 people made the journey to America aboard the *Mayflower*. The trip took 66 days. Have students spend time in the outline of the *Mayflower*. Talk about what it must have been like to spend 66 days in this space with more than 100 other people.

③ Explain to students that the *Pilgrims* came to America in search of *religious freedom*. In England, the Puritans were persecuted by the government and the established church because of what they believed. For this reason, they came eventually to America so they could practice their religion freely. Discuss with students the religious freedom we have in the United States.

Vocabulary

Pilgrims: a group of people who left Europe on the *Mayflower* in search of *religious freedom*
religious freedom: the freedom for people or communities to practice the religion they choose

Conclude

The Pilgrims left Plymouth in September of 1620 and landed at Plymouth in November of the same year. They didn't go in a big circle, so how did they arrive at the same place they left? The Pilgrims named the place they landed in America after the place they left in England, Plymouth. Discuss with students why so many places in America are named after other places.

**Actual Size
Social Studies**

The Mayflower

Actual Size: 110' x 25'
PLAN 6

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