



CREATE YOUR OWN TROLLEY For students in 3rd grade

Overview:

After students visit Charlotte Trolley, Inc and ride the trolley, they review how a trolley works and work in teams to create their own trolleys.

Objectives:

- Visual Arts 1.08 - Develop the ability to work in small groups to reach a group goal which will be greater than any one individual might achieve alone.
- Visual Arts 2.06 - Create portraits, still lifes and landscapes from real life observation or memory.
- Visual Arts 2.07 - Depict self and others in a variety of real and imaginary situations with increasing detail.
- Visual Arts 3.12 - Recognize symmetrical and asymmetrical balance.

Materials:

- Overhead Projector
- Shape templates to "build" trolley, copied onto overhead film and cut out.
- Large piece of paper/card for frieze
- Paint/collage/model materials. For individual models, collect shoe boxes, straws, polystyrene cups, cards. For group model, collect large boxes, large round items for wheels such as foil plates.

Teacher Input:

- Visit Charlotte Trolley to ride trolley and learn how a trolley works.
- In the classroom, review the parts of the trolley and their functions. Build the trolley using cut-out shapes of trolley parts transferred onto overhead projector film. Start with body shape, add wheels, windows, doors, pole, people catcher, etc. Discuss shape, function of each part as it is added. Discuss symmetry in trolley design. Explain how the trolley works. Add the motorman and conductor last, describing their jobs.
- Direct students to make their own trolleys - either as a 3D model or a frieze. Prompt students to design their own color schemes, name and logo for the trolley. Discuss organizations (airlines, bus systems, etc.) use color and design to unify their vehicles.

Frieze:

Using a photograph of Car #85 and the cut-out shapes provided, students draw the trolley body on a large piece of paper/cardboard. Students can make windows, doors, wheels, poles etc. separately and affix to the body shape. Direct students to work in groups to paint or collage and then assemble as a frieze. Make the trolley large enough to allow for each student's photograph or self-portrait to be glued into the window spaces. Make sure there are enough windows for at least 2 students per window!

Individual model, shoebox trolley:

Students create his/her trolley from a shoe box using paint, paper or card for decoration. Students can also be directed to decorate the interior of the box as a trolley interior - with seats and controls. To extend this project, create a route for the trolleys to travel by drawing a simple map on a large piece of paper with stops along a loop of track.

Group model:

Student teams create trolleys using very large cardboard boxes or multiple large boxes. Decorate with paint, card or collage. As above, paste a photo or self-portrait of each student in the windows. Role play the jobs of motorman, conductor, riders.

Assessments:

Display student artwork in the classroom or in the school.
