



Façade Facelift II

Content Focus: Art

- Architectural Styles
- Principles of Design
- Techniques: Model-Making

Content Focus: Technology

- Construction Technologies







Content Focus: Built Environment

- Architectural Drawing / 2D
- Scale/Proportion

Performance Outcome(s)

- Create a model of a re-designed façade for the school building.

Standards/Interdisciplinary Connections

					
S	S	L	A	M	T
Science	Social Studies	Language Arts	Art - Visual	Math	Technology

How To Read The Symbols: The symbols in **bold** indicate the subject standards that this lesson satisfies.

Lesson Outline (multiple-lesson project)

- Motivation
- The Challenge
- Make Construction Drawings
- Write Specifications
- Estimate Costs
- Create A Flyer
- Construct Projects
- Reflection
- Extensions And Variations
- Middle School Standards



Salvadori Prerequisites

- FOUNDATION - BASIC SKILLS: Architectural Drawing / 2D (Activity #2); Scale (Activity #3)
- LESSON(S): "Façade Facelift I" (School / Art / Put Together) -- NOTE: In the lesson, teams of students create a re-designed façade of their school. This re-designed façade will be used in this lesson. It would be good if the design teams could also be kept together.

CONCEPTS

- In doing architectural and engineering work, it is important to be able to translate design ideas into two-dimensional drawings that can then be turned into three-dimensional objects.

MATERIALS

Students

- ●: Student Guide: Redesigns
- Any sort of stiff material, such as corrugated cardboard, poster board, thin foam core, etc. that won't flop and can stand upright
- Materials for adornment: colored paper, markers/pencils, piping, sequins, etc. The amount and kind of materials is only limited by budget and imagination as well as the façade designs from the design teams.

MOTIVATION

- *What is the process a building or structure goes through to be built?*

The design teams from "Façade Facelift I" review the re-design they created. This time, they discuss how they are going to create an actual scale model of the re-designed façade, using these categories as starting points:

- Type and quality of materials, equipment and fixtures
- Methods of construction and installation (i.e., the way something is built or installed)
- Alternatives and options (in case something the contractor can't do something they want to do)



THE CHALLENGE

You are going to create a large scale-model of your façade re-designs, decorated, adorned, colored, and otherwise built to bring to life in three dimensions the concept you drew out in two dimensions.

THE PROCESS

Have the students choose an appropriate scale to translate their drawings into scale models.

Using whatever stiff materials are available, have them draw and cut out a scaled-up version of their façade. This will be basic template for their work.

Based upon their designs, they create the façade. See the ●: Student Guide: Redesigns.

Remind them to be as imaginative as they wish as along they can explain in their presentations how the façade would actually get built using these two factors:

- Type and quality of materials, equipment and fixtures
- Methods of construction and installation (i.e., the way something is built or installed)

Each team's members should also discuss among themselves who will be responsible for presenting the façade to the rest of the class.

PRESENTATION

Students present and explain their façade designs.

REFLECTIONS

- *How did your peers respond to your project? (Note: If anyone from the administration and community come, include their presence as part of the Reflection.)*
- *What difficulties did you face during the design process?*
- *How well did you meet your challenge?*
- *What would you do differently next time?*



Lessons from the Salvadori Classrooms
LESSON TITLE: Façade Facelift II
PREPARED BY: Lisa Quatralo (revised by Michael Bettencourt)
TOPIC: School
SSLAM: School / Art / Go Beyond
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EXTENSIONS AND VARIATIONS

- Create a display for other students in the school that displays the re-designed façades along with written descriptions and the original drawings.

MIDDLE SCHOOL STANDARDS

Social Studies

- People, Places and Environment

Language Arts

- Speaking, Listening, and Viewing (E3b, c)

Art - Visual

- Structures and Functions
- Characteristics and Merits of Their Work and the Work of Others

Technology

- The Designed World (20)

Façade Facelift II

Redesigns

SOME EXAMPLES OF RE-DESIGNED FAÇADES



Before



After



Before



After

(From <http://www.asis-leif.com/remodeling.htm>)

name(s)

date

Façade Facelift II

Redesigns

Student Guide



ART ATTACK
FUN CENTER FACADE REDESIGN BEFORE AND AFTER

(From <http://www.artattackfx.com/art%20attack%20home/customairbrushing/kristoffs.html>)