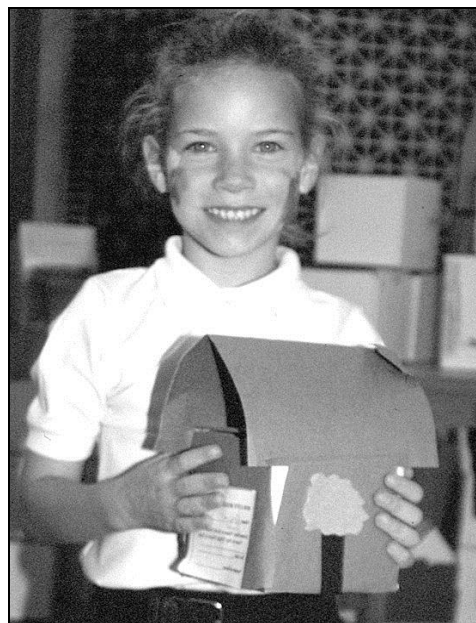


"Construction Work" Art Activity

Learning from local and statewide historic places



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An Agency of the Department of Arkansas Heritage

TEACHING THE CONSTRUCTION WORK! LESSON ¹

GRADE LEVELS

3-8

ESSENTIAL QUESTION

What kinds of features and elements make up a building?

ARKANSAS CURRICULUM FRAMEWORKS

Social Studies, Grades 3-4

G.3.3.2 Students will describe human settlements (e.g. cities, towns, communities, villages).

G.2.4.1 Students will research elements of culture in a community, state, or nation (e.g. housing).

Social Studies, Grades 5-8

G.2.5.3 Students will recognize examples of cultural diffusion, cultural exchange, and assimilation.

G.2.6.3 Students will identify the occurrences of cultural diffusion, cultural exchange, and assimilation in local and national history.

G.2.7.1 Students will examine creative work as examples of cultural heritage (e.g. architecture).

Visual Arts, Grades 3-4

VA.6.3-4.3 Students will produce a 3-D project using grade-level appropriate *elements of art* and *principles of design*

Visual Arts, Grades 5-8

VA.6.5-8.8 Students will produce a 3-D project using *elements of art* and *principles of design*

LESSON OBJECTIVE

Students will work cooperatively to construct a 3-D box building using various architectural elements and discuss human settlements and culture in relation to architecture and development.

MATERIALS/RESOURCES

Copies of the Pictorial Glossary; Shoe boxes/small boxes; Paper towel/toilet paper rolls; Construction paper and poster board; Scissors; Tape; Markers/Colored Pencils; Glue; Index cards (optional)

INTRODUCTION OR FOCUS





The Construction Work! activity is a fun, hands-on way for students to explore architectural styles, learn architectural terms, and examine buildings and development in their communities.

This lesson plan is most effective if the students have a basic understanding of architectural styles. AHPP's Historic Architectural Styles lesson plan can be downloaded from the Education page of the website www.arkansaspreservation.org.

INSTRUCTIONAL STRATEGIES

- Teachers cut out each picture on the *Architectural Glossary* pages. Create five stacks, and put the cut pictures into the appropriate stack (you can glue each picture to an index card to make the pictures sturdier):
 - Doors/entrances
 - Windows
 - Roof types
 - Porches
 - Materials
- Divide the students into small groups for cooperative learning. Each group will choose one card from each stack and together construct a building using the components they chose.
Example: Brick house with ribbon windows, a wrap-around porch, a mansard roof, and a door with a fanlight and sidelights.
- Students will display their buildings and identify each of the architectural components they used.
- Students will discuss each other's work and discuss buildings and architectural elements they see in their communities.

ENRICHMENT/DIFFERENTIATION

-  Ask students to take pictures of buildings in their neighborhood and identify architectural elements in class or lead your students on a scavenger hunt for architectural elements in a historic area of town.
-  Learn more about historic properties in your community. For a listing of properties in your area that are on the National Register of Historic Places, visit our website at www.arkansaspreservation.org. Go to the Historic Properties page, to find a link for the National Register of Historic Places.
-  See the AHPP lesson plan *Be a Building Detective* for activities and ideas. Visit the AHPP website's Youth Education page for lesson plans and information www.arkansaspreservation.org
-  The non-profit organization CUBE, Center for Understanding the Built Environment, produces an excellent curriculum called *Box City*. *Box City* is a great way to teach students about architecture, city planning and community. For the culmination of the *Box City* unit, students use their new knowledge to build a city from boxes. The curriculum, which includes boxes, is reasonably priced. For more information, call CUBE at (913) 262-8222 or visit their website at www.cubekc.org

¹ Based on a lesson plan from The Heritage Education Network <www.mtsu.edu/~then/Architecture/page43.html>

ARCHITECTURAL GLOSSARY

ROOF TYPES



Plain Gable



Gabled Ell



Asymmetrical



Hip



Pyramidal



Widow's Walk



Dormer



Jerkin Head or Clipped Gable



Gambrel



Shed



Modified Pitched Roof



Saltbox



Mansard



Bellcast Hip

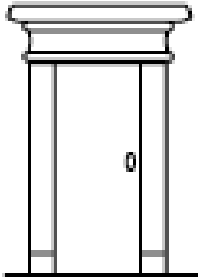


Conical

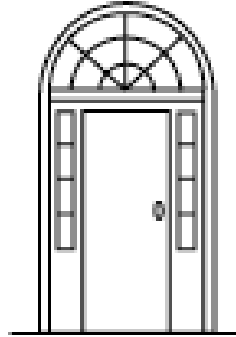


Flat

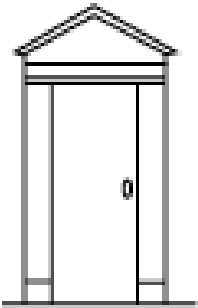
DOORS



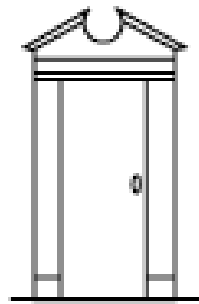
Entablature with Pilaster



Fanlight with Sidelights

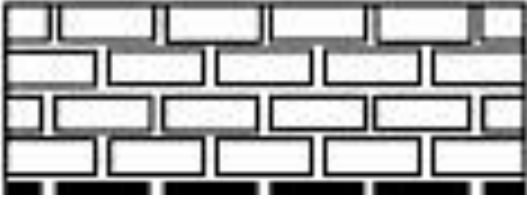


Plain Pediment with Pilaster

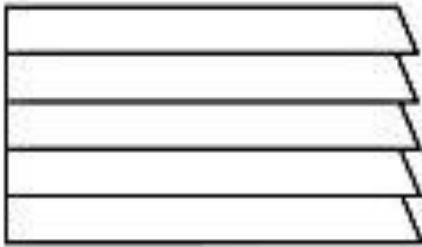


Broken Pediment with Pilaster

MATERIALS



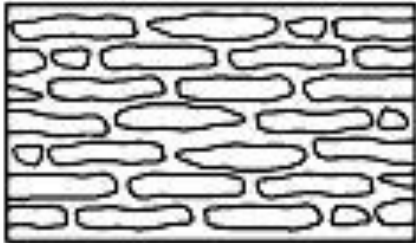
Brick



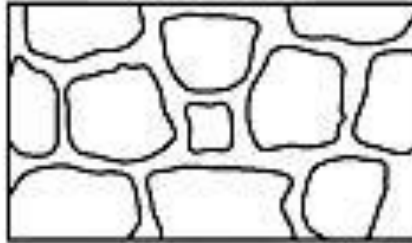
Clapboard



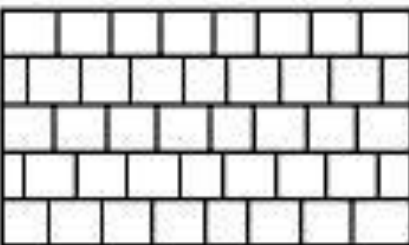
Diagonal Siding



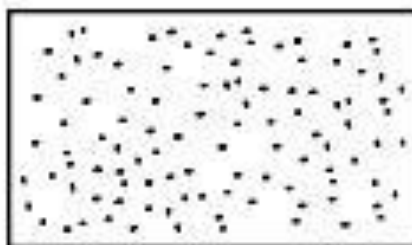
Fieldstone



Random Coursed Stone



Shingle



Stucco

PORCHES



Central Pedimented



Inset



Two-Tier



Side



Wrap-Around



Shed



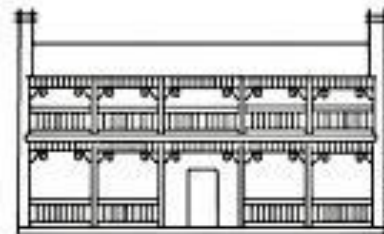
Craftsman



Stoop



Central One Story Portico



**Double Veranda with
Gingerbread Trim**



Full Width Two-Story Portico

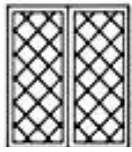


Monumental Portico

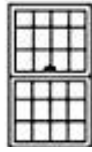


**Central Triple (Or Double) Portico with
Separate Columns for Each Level**

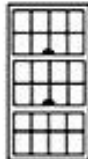
WINDOWS



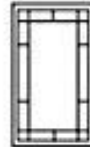
Casement



Double-Hung
Sash



Triple-Hung
Sash



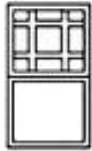
Queen Anne



Cottage



Craftsman



Craftsman



One-Over-One



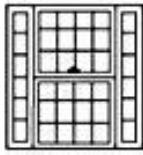
Two-Over-Two



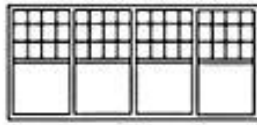
Roman or
Rounded Arch



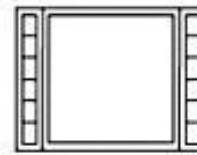
Palladian



Tri-Part



Ribbon



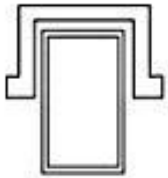
Picture



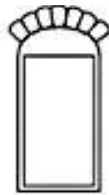
Gothic



Lancet



Dripstone
Molding



Segmental Arch with Radiating
Voussoirs



Segmental Arch with Radiating
Voussoirs and Keystone

We would like to know how this lesson plan worked in your classroom or group. Please share with us your experience with using this lesson plan and suggestions for improvement.

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