

Architecture Adventures Art Curriculum

Grade Level: 6th Grade

Subject: Visual Arts

Objective:

Students will explore various architectural styles and design their own dream building, enhancing their design and spatial awareness skills.

Materials:

- General Supplies: Crayons, colored pencils, markers, paper, rulers, graph paper, craft materials (e.g., cardboard, foam board, clay, recycled materials), glue, scissors, tape
- Digital Presentation Tools: Computer, projector, screen
- Handouts: Architectural styles guide, design templates, reflection journals, self-assessment forms
- Online Resources: Links to virtual tours of famous buildings, architectural design tutorials

Lesson Duration: Five 60-minute class sessions.

Detailed Weekly Plan:

Day 1: Introduction to Architectural Styles

Objective: Introduce students to various architectural styles and discuss the elements that define them.

Materials for Day 1:

- Video clips or images of famous buildings



- Crayons, colored pencils, markers, paper, rulers
- Handouts with architectural styles guide and discussion questions

Instructions and Script for Day 1:

Introduction (10 minutes):

- Teacher Script:

"Good morning, everyone! Today, we're going to embark on an adventure in architecture. Architects design buildings, and their styles can vary greatly depending on the time period, culture, and purpose of the building. Let's explore some famous architectural styles and see what makes them unique."

Architectural Styles (15 minutes):

- Presentation: Show video clips or images of famous buildings representing different architectural styles (e.g., Gothic, Renaissance, Modern, etc.).
- Discussion:
 - "What do you notice about the shapes and details of these buildings?"
 - "How do these styles reflect the time period or culture they come from?"
 - "What architectural features do you find most interesting?"

Hands-On Activity: Sketching Architectural Elements (25 minutes):

- Instructions: "Let's start by sketching some architectural elements that interest you. Think about the different styles we discussed and draw some key features like arches, columns, and windows."
- Materials: Provide paper, crayons, colored pencils, markers, and rulers.
- Guidance: Walk around and help students sketch architectural elements, encouraging them to think about the styles they like best.

Wrap-Up (10 minutes):

- Teacher Script: "Great job today! We learned about different architectural styles and started sketching some interesting elements. Tomorrow, we'll begin designing our own dream buildings."

Day 2: Designing a Dream Building

Objective: Guide students in designing their own dream building, focusing on creativity and architectural features.

Materials for Day 2:

- Graph paper, drawing paper, rulers, pencils, erasers, crayons, colored pencils, markers
- Handouts with design templates and discussion questions

Instructions and Script for Day 2:

Introduction (5 minutes):

- Teacher Script:

"Good morning! Yesterday, we explored different architectural styles and sketched some elements. Today, we'll start designing our own dream buildings. Think about the style you want to use and the features that will make your building unique."

Hands-On Activity: Designing a Dream Building (50 minutes):

- Instructions: "Use the graph paper to plan out the layout of your dream building. Think about the overall shape, the rooms, and any special features you want to include. Once you have a plan, start drawing your building on the drawing paper."

- Materials: Provide graph paper, drawing paper, rulers, pencils, erasers, crayons, colored pencils, and markers.

- Guidance: Assist students in planning and drawing their dream buildings, offering suggestions and helping them incorporate architectural elements they like.

Wrap-Up (5 minutes):

- Teacher Script: "Great job today! We started designing our dream buildings. Tomorrow, we'll continue working on our designs and start building models."

Day 3: Building Models of Dream Buildings

Objective: Begin constructing models of the dream buildings using various craft materials.

Materials for Day 3:

- Craft materials (e.g., cardboard, foam board, clay, recycled materials)
- Glue, scissors, tape, rulers, drawing tools

Instructions and Script for Day 3:

Introduction (5 minutes):

- Teacher Script:

"Good morning! Yesterday, we designed our dream buildings. Today, we'll start building models of these buildings using various craft materials. Think about how you can bring your designs to life in 3D."

Hands-On Activity: Building Models (50 minutes):

- Instructions: "Use the craft materials to start constructing your building model. Pay attention to the details and features you included in your design. Use the materials creatively to represent different architectural elements."
- Materials: Provide craft materials, glue, scissors, tape, rulers, and drawing tools.
- Guidance: Walk around and assist students in building their models, offering tips on construction techniques and encouraging them to think about the structural aspects of their buildings.

Wrap-Up (5 minutes):

- Teacher Script: "Great job today! We made a lot of progress on our building models. Tomorrow, we'll continue working on them and add finishing touches."

Day 4: Finishing Building Models

Objective: Complete the construction of the building models and prepare for presentation.

Materials for Day 4:

- Craft materials (e.g., cardboard, foam board, clay, recycled materials)
- Glue, scissors, tape, rulers, drawing tools

Instructions and Script for Day 4:

Introduction (5 minutes):

- Teacher Script:

"Good morning! Yesterday, we started building our models. Today, we'll finish constructing them and get ready to present them to the class. Think about any final details you want to add."

Hands-On Activity: Completing Building Models (50 minutes):

- Instructions: "Add the finishing touches to your building models. Make sure each detail is complete and your model is sturdy and ready for presentation."
- Materials: Provide craft materials, glue, scissors, tape, rulers, and drawing tools.
- Guidance: Assist students in completing their models and preparing for their presentations.

Wrap-Up (5 minutes):

- Teacher Script: "Great job today! We've finished our building models. Tomorrow, we'll present them to the class and discuss the architectural features and purposes of our buildings."

Day 5: Presenting Building Models

Objective: Present building models to the class and discuss the architectural features and purposes of the buildings.

Materials for Day 5:

- Completed building models
- Reflection journals, self-assessment forms

Instructions and Script for Day 5:

Introduction (5 minutes):

- Teacher Script:

"Good morning! Today is the day we present our building models to the class. Let's get ready to share our creations and discuss the architectural features and purposes of our buildings."

Presenting Building Models (45 minutes):

- Instructions: "Each of you will come up and present your building model. Explain what architectural style you chose, the features of your building, and its purpose."
- Guidance: Encourage each student to present their model, giving them positive feedback and highlighting the architectural elements they included.

Discussion and Reflection (5 minutes):

- Teacher Script: "Let's take a moment to reflect on our projects. What did you enjoy most about designing and building your model? How did you decide on the architectural features and purposes of your building?"

Reflection Journals (5 minutes):

- Instructions: "Write in your reflection journals about what you enjoyed, what you learned, and any challenges you faced while designing and building your model."

- Materials: Provide reflection journals and writing tools.

Wrap-Up (5 minutes):

- Teacher Script: "Great job, everyone! You all did amazing work designing and building your dream buildings. Keep exploring architecture and thinking creatively about the spaces we live in!"

Extensions and Assessments

Extensions:

- Early Finishers: Students who finish early can write a short story in their reflection journals about the inhabitants of their dream building, describing their daily lives and how they use the space.
- Additional Research: Students can research another architectural style or famous architect and prepare a short presentation for the class.
 - Recommended Resources:
 - Architecture.com
 - ArchDaily
 - Smithsonian Institution
 - Virtual Tours: Use online resources to take virtual tours of famous buildings and architectural sites. Links can be provided to museum websites with virtual tour options.

Assessments:

- Formative Assessment: Monitor students' progress during hands-on activities and provide ongoing feedback.
- Summative Assessment: Use a rubric to evaluate each student's building model based on creativity, adherence to the architectural concept, effort, and understanding of design principles.
- Self-Assessment: Have students complete a self-assessment form reflecting on their project and learning experience.
- Peer Assessment: Encourage peer feedback during the final critique session to promote collaborative learning.



Teacher Notes:

- Provide clear criteria for assessments and explain them to students at the beginning of the project.
- Use the rubric consistently to ensure fair and objective grading.
- Model positive and constructive feedback during critiques and encourage students to practice these skills.