



Exploring Pequot Library

Library Shape Hunt

Lesson Plan

Grades K-2

45 minutes

Students will learn to look for geometric shapes in architecture by identifying and counting those that they see in the design of Pequot Library's building. Using tally sheet, they will record the shapes they see. At the end, students will count the total number of each shape they've found as a group, and then discuss which shapes they saw the most and least.

Optional add-on activity: "Picture Pequot".

Curriculum Connections: Math, STEAM

Objectives

1. Introduce Pequot Library as an architectural landmark, listed on the National Register of Historic Places. It was the first building of its kind in Fairfield, CT.
2. Increase awareness of geometry in architectural design.
3. Identify geometric shapes.
4. Observe how geometric shapes are used together to create patterns.
5. Explore ways in which geometric shapes can be used to create building structures.

Materials

- Photos of Pequot Library (see the following slides)
- Shape Library
- Pencil

Questions

1. Which geometric shapes can be found in the design of Pequot Library's building?
2. How can simple shapes be used together to create interesting patterns?
3. How can shapes be used to create a building or house?

Observe

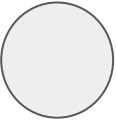
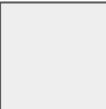



1. Look at images of Pequot Library on the following slides.
2. Discuss how shapes are being used. Ask:
 - a. What shapes do you see?
 - b. What types of patterns do you see (for example, circle-square-circle)
 - c. Is that the best shape for that structure? Would you use something different? What? Why? How?
 - d. How would the structure look different if you used a different shape?

Tally

1. Ask children to record the shapes they see, using the Tally Sheet.
2. At the end, count and share the number of each shape that was found:
 - a. Rectangle
 - b. Triangle
 - c. Circle
 - d. Square
 - e. Semi-circle

Library Shape Hunt

Name: _____

Circle 	Square 	Rectangle 	Triangle 	Semi Circle 

Resources

About Pequot Library

<https://www.pequotlibrary.org/about/our-story/#history>

Richardsonian Romanesque Design

<https://architecturestyles.org/romanesque-revival/>

Robert H. Robertson (Pequot Library Architect):

[https://en.wikipedia.org/wiki/R. H. Robertson](https://en.wikipedia.org/wiki/R._H._Robertson)

This lesson has been adapted from the Frank Lloyd Wright Trust's 'Teaching by Design' lesson plans: <https://www.teachingbydesign.org/lessons/>



Pequot Library Front Exterior



Pequot Library Front Exterior Arches Detail



Foyer Window Detail



Auditorium



Auditorium Ceiling Detail



Auditorium Windows



Rose Glass Auditorium Window Detail



Stacks



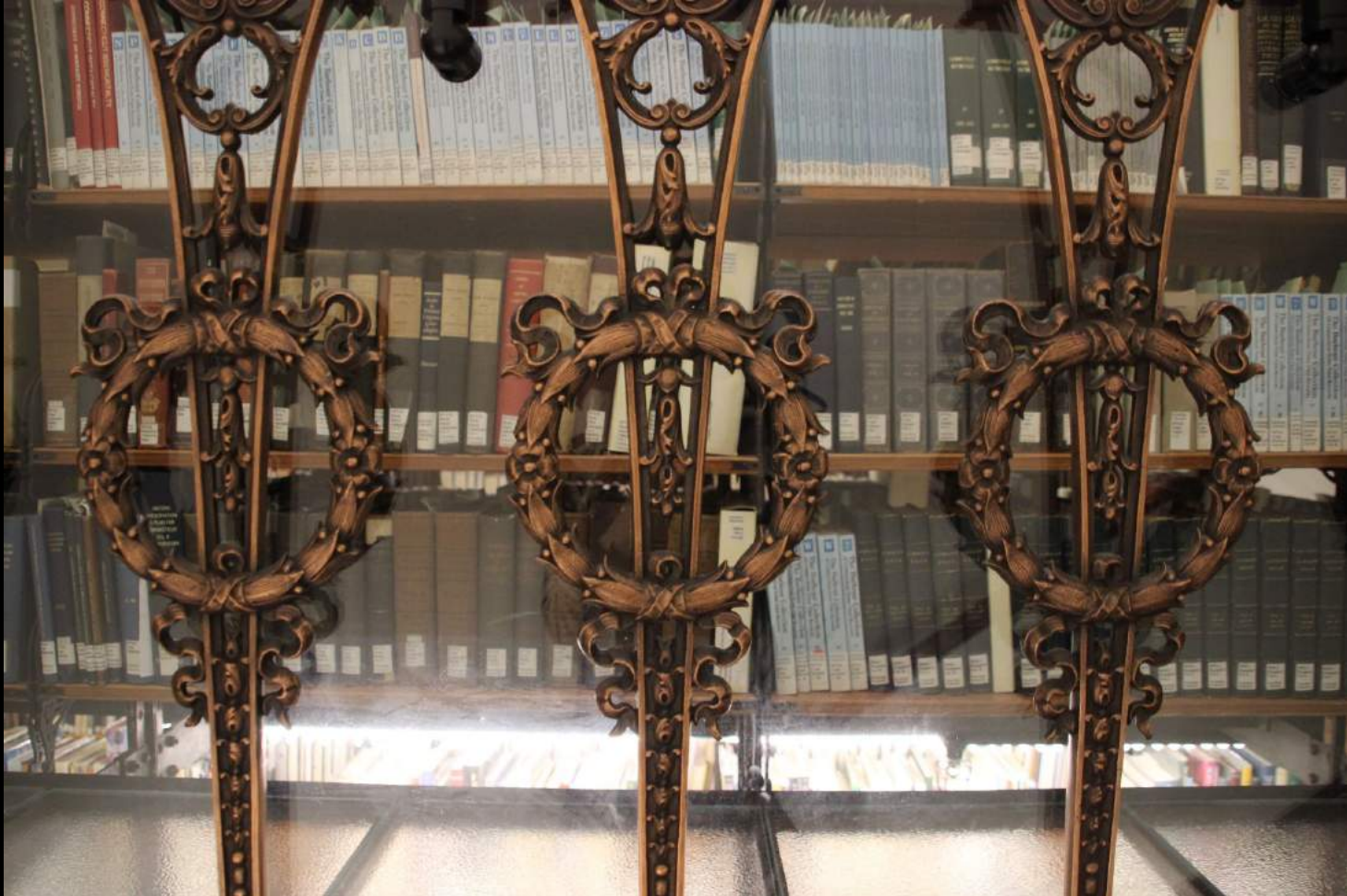
Iron Stacks Detail



Tiffany Stained Glass Window Detail



Mezzanine



Mezzanine Detail



Mezzanine Detail Glass Floor



Reading Room



Perkin Gallery Fireplace Detail



PEQUOT
LIBRARY

www.pequotlibrary.org