

Learning From Miami

Title: Geometric Shapes in Miami Architecture

Grades 6-8 (can be adapted to any grade level)

Subject Areas: social Studies, Language Arts, Math, Art

Materials:

Copies of Geometric Shapes Worksheet

<http://www.fun-stuff-to-do.com/images/GEOMETRIC-SHAPES-BASIC.jpg>

Pictures of Art Deco (South Beach), Moorish Revival (Opa-Locka), and Mediterranean (Coral Gables)

Paper, scissors and glue, geometric Shapes

Steps for implementation:

- 1) The students will discuss various geometric shapes using the worksheet.
- 2) View video on geometric shapes

<http://www.youtube.com/watch?v=OUMUaxiPUlo>

- 3) With the whole class discuss three-dimensional shapes using items found in a classroom.
View the following video about three-dimensional shapes

<http://www.youtube.com/watch?v=K9L9I86N-xM>

- 4) The students will discuss how geometric shapes can be identified on buildings in our community.
- 5) Then the class will view the following video segments from “The Learning from Miami” website (www.learningfrommiami.org). These are:

<http://learningfrommiami.org/?p=425>

http://learningfrommiami.org/?page_id=2

<http://learningfrommiami.org/?p=447>

The students will discuss the geometric shapes that were used on seen on the video clips to design and create these iconic buildings.

- 6) The students will view pictures of different architecture styles in Miami (these are attached or online) and continue the discussion related to geometric shapes in buildings.
- 7) The students will work in groups to find as many geometric shapes they can find on the pictures of the buildings presented.
- 8) The students will share their findings with the group.
- 9) As a final activity the students will make a city scape using only geometric shapes.

Enrichment Activities: Organize and architectural fair outside the classroom and invite other classes or grade levels in order for students to present their work.

ELL strategies: hands-on activities, visuals, videos, translation

Remediation: Students can use a peer's model as a guide in order to complete project or the help of a peer tutor to assist them individually.

Resources:

Learning From Miami Video Segments:

<http://learningfrommiami.org/?p=425>

http://learningfrommiami.org/?page_id=2

<http://learningfrommiami.org/?p=447>

www.learningfrommiami.org

Other Resources:

<http://www.fun-stuff-to-do.com/images/GEOMETRIC-SHAPES-BASIC.jpg>

<http://www.youtube.com/watch?v=K9L9I86N-xM>

<http://www.youtube.com/watch?v=OUMUaxiPUlo>

Coral Gables Mediterranean Visual:



Art Deco South Beach Visual:



Moorish Revival Opa-Locka Visual:

