

Junior Architects of America  
Building for the Future Contest Guidelines

1. All junior architects must learn about specific plane and solid shapes and their features.

<u>Plane shapes</u>	<u>Solid shapes</u>	<u>Features</u>	<u>Related terms</u>
square	cube	faces	congruent
rectangle	rectangle solid	square corners	symmetrical
triangle	triangular solid	edges	similar
circle	cylinder	base	vertical
quadrilateral	sphere	point	horizontal
	cone	line segment	diagonal
	pyramid	line	slides
	hemisphere	ray	flips
			turns

2. They must examine famous landmarks from our past in order to understand what makes a solid structure.

Landmarks

Pyramid	Washington Monument
Parthenon	Statue of Liberty
Colosseum	Jefferson Memorial
Great Wall of China	Lincoln Memorial
Aqueducts	Teepee
White House	Longhouse
Capitol	Wigwam
	Pueblo

3. There will be specific games or activities that your class will participate in so that you can gain the understandings you need to build futuristic buildings.
  4. Before constructing your structure, draft a blueprint including all sides plus a bird's eye view.
  5. Each structure must include at least four of the solid shapes listed above.
- Optional:

- decorations
- landscaping

5. Each entry must have:
  - blueprints of the structure
  - the structure
  - a list of all the plane and solid shapes in your structure
  - persuasive argument in favor of the design
  - title of your structure with the names of the architects
6. The model can be no bigger than 2 cubic feet.
7. Entries must be submitted by Friday, June 13<sup>th</sup>.