AIA Shadow an Architect Program Activity Ideas

Marshmallow Tower

How high can you build a tower using only marshmallows and spaghetti? It's time to find out! Working at your table with your classmates and volunteer mentors, try to build a tower as tall as you can. The group with the tallest tower – and it must be able to stand on its own – wins a prize.

Redesign The Capitol Visitors Center!

Your design should include:

- Security Screening Areas
- Exhibit Hall
- Orientation Theater
- Storage
- Meeting Chambers
- Restaurant
- Offices
- Restrooms
- Giftshop
- A room or space that makes your building unique!

Girl Scout Cookie Bakeshop

Your task is to design a bakeshop where Girl Scout cookies can be baked and sold locally.

- Locate the bakeshop on the site plan.

- Create a floor plan for the bakeshop.
- Draw an interior or exterior elevation for the bakeshop (or both)
- Come up with a name for your shop!

Your bakeshop should include:

- Display area
- Area to sell cookies
- Area for meetings
- Kitchen
- Entrance
- Windows & Doors
- A room that makes your bakeshop unique!
- Anything else you want to include!

Supply List

- Large Post-It Paper (one sheet for each group)
- Markers (various points)
- Crayons
- Pencils
- Double-Sided Tape

Design Your Own School! OR Redesign Your School!

Your group's school should include:

- 5 Classrooms (may be traditional classrooms, welding studio, etc.) (800 sq ft)
- 1 Student Restroom – Female (200 sq ft)
- 1 Student Restroom – Male (200 sq ft)

- 1 Faculty/Staff Restroom – Female (70 sq ft)
- 1 Faculty/Staff Restroom – Male (70 sq ft)
- 1 Cafeteria (800 sq ft)
- 1 Auditorium (800 sq ft)
- 1 Computer Lab (800 sq ft)
- 2 Entrances
- 2 Exits
- Green Space (5,000 sq ft)
- 2 areas/spaces that make your building unique

Your group's final product should include:

- Your school's floor plan
- An elevation of the outside of one side of your school

Timeline:

- Review and discuss the Program Requirements (20 minutes)
- Sketch individual design ideas (30 minutes)
- Select which design elements to include in final product (15 minutes)
- Trace/sketch final floor plan and elevation onto larger paper (40 minutes)