

ARCHITECTURAL DESIGN CHALLENGE



Imagine it. Design it. Build it.

Students sketch and build creative structures while thinking like designers and engineers.

Grade Level
Middle School

Time Needed
75–120 minutes

Skills Developed
- Design thinking
- Planning
- Problem solving

Inclusive Adaptations
- Offer blueprint templates.
- Allow tactile models.
- Use team roles for planning and building.



Simple Steps!

1. Explore ideas and research structures.



2. Sketch your design and create a plan.



3. Build your model using materials.



4. Test your structure and make improvements.



5. Present your design and share what you learned.



Great designs start with ideas. Great buildings start with teamwork!

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