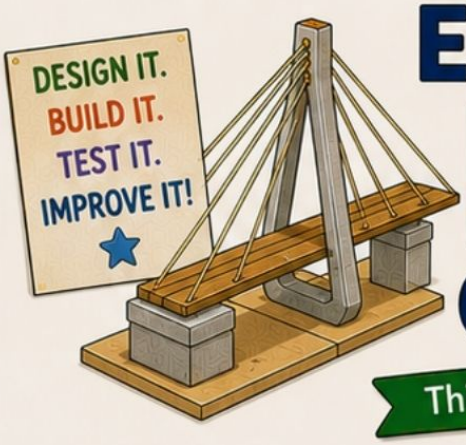


ENGINEERING BUILD CHALLENGE



Think like an engineer. Build a better future.

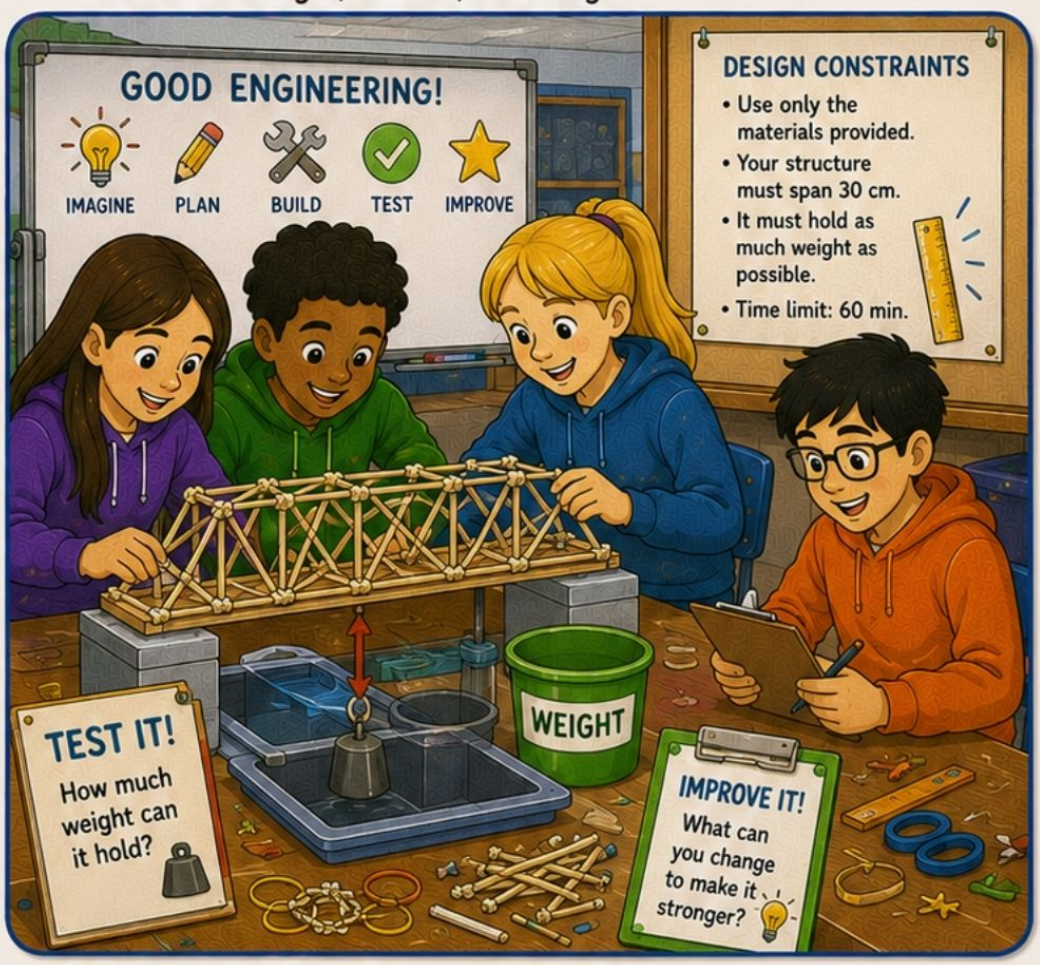
Students build bridges, towers, or structures and test strength, balance, and design.

Grade Level
Middle School

Time Needed
60–90 minutes

Skills Developed
- Engineering
- Teamwork
- Testing and revision

Inclusive Adaptations
- Use role-based teams.
- Provide design constraints visually.
- Allow tactile testing and verbal explanations.



Simple Steps!

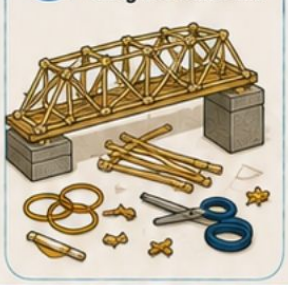
1. Discuss the challenge and constraints.



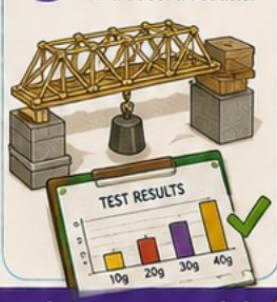
2. Plan your design on paper.



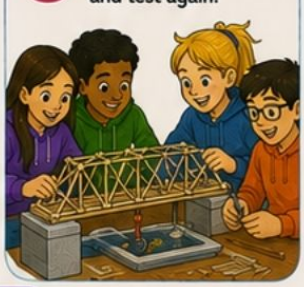
3. Build your structure using the materials.



4. Test your structure and record results.



5. Improve your design and test again.



Build ideas. Build skills. Build a better world.

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