

Thanksgiving Float Parade

Goal:

- Design and build a motorized Thanksgiving float using VEX IQ parts.
- Incorporate a Thanksgiving theme into the float's design (e.g., turkeys, pumpkins, fall leaves).
- Each team will program their robot to move as part of the classroom parade.

Materials Needed:

- VEX IQ kits (motors, wheels, beams, etc.)
- Decorations (small turkeys, leaves, pumpkins, construction paper, etc.)
- Computers or tablets with VEXcode IQ

Criteria:

- The float must be able to move at a steady speed.
- Include at least two Thanksgiving-themed decorations.
- The float must have a small banner with a Thanksgiving message (e.g., "Happy Thanksgiving").
- The entire structure must be built using VEX IQ parts (for the frame and movement) with decorations attached.

Rubric

Design and Creativity (20 points):

- Does the float reflect a Thanksgiving theme?
- Is the design creative and thoughtful?

Build Quality (20 points):

- Is the float sturdy and functional using VEX IQ parts?

Programming (20 points):

- Does the float move properly?
- Was the programming accurate and effective?

Teamwork and Presentation (20 points):

- Did the team work together well?
- Was the float presented clearly during the parade?

Parade Performance (20 points):

- Did the float participate in the parade successfully?



