# FCCLA SPARK Week – America Day Foundation Challenge Cards

Cut these cards apart and place at each station. Teams earn red/white/blue tokens for Creativity, Strength, and Teamwork. Use the Debrief questions to close each round.

**Family Foundation – Station Card**

GOAL: Build the strongest structure that can hold the most weight for 10 seconds.  
TIME: 4 minutes to build + 1 minute to test  
MATERIALS: Cups, index cards, craft sticks, tape (limited)

## Step-by-Step:

1. 1. As a team, choose a captain (keeps time) and an engineer (checks stability).
2. 2. Plan your design for 30 seconds—no touching materials.
3. 3. Build your structure using only the provided materials.
4. 4. Test with small weights (coins/erasers/textbook corners) for 10 seconds.
5. 5. Record your result on the score sheet and clean up your station.

## Scoring Guide:

* Strength (0–3): How much weight did it hold?
* Creativity (0–3): Unique design or clever use of materials.
* Teamwork (0–3): Shared roles, positive communication.
* Bonus +1: Best school spirit cheer during testing.

## Debrief Questions:

* What design choice made your structure strongest?
* How does a strong ‘family foundation’ support everyone at home?

Judge Initials: \_\_\_\_\_\_\_\_\_\_\_\_\_ Team: \_\_\_\_\_\_\_\_\_\_\_\_\_ Tokens Awarded: \_\_\_\_

**Career Connection Tower – Station Card**

GOAL: Build the tallest free‑standing tower you can that stands for 10 seconds.  
TIME: 4 minutes to build + 1 minute to measure  
MATERIALS: Paper (5 sheets), 12 inches of tape, 6 straws

## Step-by-Step:

1. 1. Assign roles: designer, builder, stabilizer, measurer.
2. 2. Sketch a quick plan for 20 seconds—no building yet.
3. 3. Build your tower within the materials limit (teachers may verify).
4. 4. Hands off! Count 10 seconds—if it stands, measure height.
5. 5. Record height and one ‘career skill’ your team used (e.g., problem solving).

## Scoring Guide:

* Height (0–3): Taller = higher points.
* Creativity (0–3): Innovative structure or bracing.
* Teamwork (0–3): Clear communication and shared tasks.
* Bonus +1: Quick ‘elevator pitch’ connecting your tower to a future career.

## Debrief Questions:

* What helped your team adapt quickly?
* Which workplace skills did you use (communication, time management, leadership)?

Judge Initials: \_\_\_\_\_\_\_\_\_\_\_\_\_ Team: \_\_\_\_\_\_\_\_\_\_\_\_\_ Tokens Awarded: \_\_\_\_

**Community Bridge – Station Card**

GOAL: Build a bridge that spans 10 inches and holds the most objects.  
TIME: 4 minutes to build + 1 minute to test  
MATERIALS: Craft sticks, index cards, 12 inches of tape

## Step-by-Step:

1. 1. Assign a project manager to keep the team on schedule.
2. 2. Discuss a design that balances strength and span.
3. 3. Build the bridge between two desks/books 10 inches apart.
4. 4. Test by adding small objects until failure—count the number held.
5. 5. Record results and one way your chapter can ‘bridge’ people together.

## Scoring Guide:

* Capacity (0–3): More items held = higher points.
* Creativity (0–3): Smart use of trusses/arches/lamination.
* Teamwork (0–3): Supportive roles and respectful talk.
* Bonus +1: Best patriotic team name & chant.

## Debrief Questions:

* What trade‑offs did you make between strength and distance?
* How do leaders ‘build bridges’ in a community project?

Judge Initials: \_\_\_\_\_\_\_\_\_\_\_\_\_ Team: \_\_\_\_\_\_\_\_\_\_\_\_\_ Tokens Awarded: \_\_\_\_