

Challenge Previews 2019-2020

TECHNICAL CHALLENGE

The Technical Challenge prompts students to complete tasks by using engineering, research, strategic planning, and related skills.



POINTS OF INTEREST

- Design and build an invention.
- Create and present a story about how a problem is solved with the use of the invention.
- Integrate an invention artifact to highlight the development process.
- Design and build scenery that shows the impact of solving the problem.
- Create and present two Team Choice Elements that show off the team's interests, skills, areas of strength, and talents.

SCIENTIFIC CHALLENGE

Our Scientific Challenge blends the curiosity of scientific research with the creative expression of performance art.



POINTS OF INTEREST

- **Research a real species and a real habitat.**
- **Create and present a story about the first encounter between the species and the habitat.**
- **Show how the species and the habitat change as a result of the encounter.**
- **Present the story in theater in the round.**
- **Create and present two Team Choice Elements that show off the team's interests, skills, areas of strength, and talents.**

ENGINEERING CHALLENGE

Our Engineering Challenge asks students to design, build, and test load-bearing structures created from specific materials.



POINTS OF INTEREST

- **Design and build a bridge that will be assembled during the Presentation.**
- **Move weight across the bridge to test its strength.**
- **Create and present a story about an unexpected connection and its outcome.**
- **Design and create a set piece that transitions between settings.**
- **Create and present two Team Choice Elements that show off your team's interests, skills, areas of strength, and talents.**

FINE ARTS

Our Fine Arts Challenge helps students develop acting and creative skills through artistic media, theater arts, script writing, and prop design.



POINTS OF INTEREST

- **Create and present a story that features an unseen character and its impact on a team-selected photograph.**
- **Theatrically recreate the photograph during the Presentation.**
- **Create and present a visual effect that includes a photographic technique.**
- **Show how the visual effect changes the perspective of one or more characters.**
- **Create and present two Team Choice Elements that show off the team's interests, skills, areas of strength, and talents.**

IMPROVISATIONAL

Our Improvisational Challenge is all about research, spontaneity, and storytelling. Teams receive topics and produce skits right on the spot.



POINTS OF INTEREST

- Research superpowers and how they are portrayed in comic books, literature, film, and other media.
- Create and present an improvisational skit about a villain who uses a superpower to cause an unexpected situation.
- Include a hero who uses an underwhelming power to try to overcome the unexpected situation.
- Enhance the skit with sound effects.

SERVICE LEARNING

Our Service Learning Challenge is designed to engage students in public service that addresses real-life community issues.



SERVICE LEARNING

POINTS OF INTEREST

- Identify, design, carry out, and evaluate a project that addresses a need in a real community.
- Create and present a story that shows at least one character in a race against time.
- Integrate information about the project into the story.
- Design and build a device that represents time and highlights milestones from the project.
- Create and present two Team Choice Elements that show off your team's interests, skills, areas of strength, and talents.