



## unidentified moving object

technical

- Design and build Equipment to move various Materials to and from towering heights
  - Start and end the Presentation with the Equipment contained in a Storage Box
  - Create and present a Sales Promotion highlighting the features of the Equipment
  - Complete all of the above with no AC electrical power
- Focus:** Design and Construction, Innovation and Design Process, Mathematics, Modularization, Optimized Design, Experimentation, Theater Arts, Teamwork



## spinning a tale

scientific

- Research Energy Cycles in the Natural and/or Physical World
  - Develop and present an original three-act Circular Story that demonstrates knowledge about one Energy Cycle of the team's choice
  - Create a Dicycler that changes as the Story progresses and the acts change
  - Create a Finale that uses your Dicycler to signal the end of your Presentation
- Focus:** Science, Research of Energy Cycles in the Natural and/or Physical World, Innovation and Design Process, Theater Arts, Playwriting, Technical Design, Construction, Teamwork



## triple take road show

fine arts

- Use three different Storytelling Methods to tell the same story to three team-chosen Pretend Audiences
  - Portray the Travel Methods used to move your Traveling Road Show between different Pretend Audiences
  - Integrate a team-created Technical Spectacle into one presentation to a Pretend Audience
- Focus:** Playwriting, Theatrical Presentation, Storytelling, Storytelling Relevance, Special Effects, Innovation and Design Process, Construction, Teamwork



## mythology mission

improvisational

- Create a five-minute Improvisational Skit about a Mission involving a Mythical Creature. This must be done in a five-minute Preparation Time prior to your Presentation at the Tournament.
  - Incorporate research about a Culture from a country
  - Incorporate three Souvenirs randomly selected from the list of items and combine them to create one Master Prop
  - Incorporate an Unexpected Problem that is discovered on stage
- Focus:** Research and Understanding of Cultures, Mythology, Improvisational Acting, Story Development, Theater Arts, Teamwork



## verses! foiled again!

structural

- Design and build a Structure made only of Aluminum Foil, Wood and Glue
  - Test how much weight the Structure will hold
  - Present a Story about a character that is Foiled
  - Integrate team-written Verse and published Verse into your Story
- Focus:** Architectural Design, Structural Engineering, Construction, Material Science, Research, Innovation and Design Process, Mathematics, Theater Arts, Poetry, Teamwork



## dynamic networks

projectOUTREACH

Make a difference in your community! This Challenge has two distinct portions:

- First, your team will design and carry out a Project to address a real community need and integrate a social network
- Second, at the Tournament, your team will showcase your Project with an Album and a Presentation, as well as complete an Instant Challenge

**Focus:** Service Learning, Civic Responsibility, Social Science, Partnerships, Fundraising, Progress Monitoring, Evaluation, Teamwork



## big bug's bad day

Rising Stars!

Calling our youngest creative problem solvers! Your team will:

- Learn about bugs and how they work with other living things
- Create a play that tells about Big Bug's bad day
- Explore how Big Bug's friends try to make the day better

**Focus**

Entomology, Research, Zoology, Storytelling, Performing in Front of an Audience, Team Problem Solving, Teamwork