



The Tournament

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Section 3 – The Tournament

3.1 – Overview

The CREATE-ivity Challenge is a day long, or multi-day celebration of the creative talents of students up to 12th grade. Artistic flair, great design as well as understanding of the technology used and the engineering process will all be considered in scoring the multiple presentations/reviews of the event.

A CREATE-ivity Event is structured as follows:

- Registration – Teams register for the event.
- Collaboration Sign Up – If teams would like to be included in the Collaboration Story Presentation they would do so immediately after getting registered.
- Initial inspection. - After registering teams make their way to their assign pit space and prepare it for the first round of inspections. Teams MUST pass inspection before they are allowed to do any presentations. Space constraints, power, parts etc. will be reviewed to ensure all safety and challenge rules are being adhered to.
- Team Meeting – At the team meeting Event rules, venue specific rules will be reviewed including a Q&A with the judges. At the conclusion of the Team Meeting the Story of the Day will be revealed to all teams and alliance partners for the Collaboration Story Presentation will be revealed.
- Opening Ceremony
- Technology reviews (10 minute max) and Engineering Journey reviews (5 minute max.). These scheduled reviews will take place in team pit areas.
- Main Presentation – Teams will be assigned a specific time for this presentation:
 - Preparation of the Story Space (20 minutes 10-minutes in staging area, 10-minutes in Story Space)
 - Pre-presentation Inspection (One quick review of your Story Space will be done. 2 minutes.)
 - Story Presentation – Presentation done in front of audience and judges. (Max 6 minutes.)
- Story of the Day – Teams will be assigned a specific time for this presentation:
 - Presentation will done in the team's pit area.
 - Presentation – Presentation done in front of judges. (Max 3 minutes)
 - Technical Review – Review done in front of panel of judges. (Max 5 minutes)
- Collaboration Story – Teams will be assigned a specific time for this multifaceted presentation:
 - Preparation of the Story Space (20 minutes 10-minutes in staging area, 10-minutes in Story Space)
 - Pre-presentation Inspection (One quick review of your Story Space will be done. 2 minutes.)
 - Presentation – Presentation done in front of audience and judges. (Max 4 minutes)
 - Technical Review – Review done in front of panel of judges. (Max 5 minutes)
- Awards / Closing Ceremony

A CREATE-ivity Event schedule will look similar to this:

8:00AM-8:45AM	Registration / Pit Opens
8:20AM-9:15AM	Inspections
8:45AM-9:20AM	Tech/Journey Reviews
9:20AM-9:35AM	Team Meeting
9:40AM-9:50AM	Opening Ceremony
10:00AM-12:00PM	Tech/Journey Reviews
10:00AM-12:30PM	Story Presentations
12:30PM-1:20PM	Lunch
1:30AM-3:30PM	Tech/Journey Reviews
1:30PM-3:30PM	Story Presentations
1:30PM-3:30PM	Story of the Day Presentations

3:30PM-4:30PM
4:35PM-4:55PM

Collaboration Story Presentations
Awards / Closing Ceremony

3.2 – Tournament Definitions

Team Captain – A person chosen to represent their team.

Collaboration Alliance – Two randomly paired teams competing in the Collaboration Story Presentation.

Practice – Any rehearsal of a presentation done in the pits.

3.3 – Practice

At the event teams are free to practice their presentations in the pits as often as they would like. Practice however is suspended during the team meeting and the opening ceremony.

3.4 – Presentations

3.4.1 – Story Presentation

- Teams are to go to their designated Staging Area/Story Space at the time on their schedule.
- Teams will be given a minimum (may also be the maximum) of 20 minutes to set up for their presentation. Ten minutes in the staging area and 10 minutes in the Story Space. We encourage teams to be able to set up in less than 20 minutes and have as much done in the Staging Area as possible.
- Your Staging Area/Story Space will be adjacent to other Story Spaces that may be in progress. Thus setting up quietly is important. Loud or distracting behavior during setup may result in a penalty or even disqualification.
- Once your setup is completed team captains are to notify the judges assigned to your Story Space. Once notified the judges will begin a pre-presentation inspection.
- Teams will be notified by the judges when to begin. Once notified, teams have 15 seconds to begin their presentation. After the Judges notify a team to start the timer will be started after 15 seconds or when the presentation begins, whichever is first.
- Remember one false start, without penalty, is allowed per event.
- Remember one time out (3 minute max) is allowed per event.
- False starts cannot be used for any presentation that has been going for more than 30 seconds.
- Remember you have a 6 minute maximum time limit. If your time expires the referees will notify you. At that time you must stop your presentation.
- It is recommended that your presentation have a well-defined conclusion so the judges know when you are finished.
- Once the Story Presentation is completed all team students are to gather in the Story Space and assist in quickly moving the Story Space Technology.

3.4.2 – Technology Review

- A judge(s) will join the team in their pit area for the Technology review at their scheduled time.
- Teams may, at their discretion, have a short (no longer than 3 minutes) presentation describing their technology. What control systems were used, what motors, sensors, wiring, etc. This presentation is highly encouraged.

- The Technology Review can be up to 10 minutes and is the single longest phase of judging. So it will be important for teams to have an in depth knowledge of the technology they used..
- Judges will ask questions of the team in the following areas
 - Control system used and how it works
 - Remote controller used and how it works
 - Autonomous
 - Sensors used and how they work
 - Programming language and how the program works
 - Structural components
 - Other components like pneumatics, compression power (rubber bands, elastic cord) etc.
- Teams will be judged by the breadth of technology used and their understanding of how it works.
- Once the Technology review is complete, the judges will retire for 2-3 minutes to finish their notes. Teams are to stay near their pits during this time as the Engineering Journey review will immediately follow.

3.4.3 – Engineering Journey Presentation

- As soon as the judges have completed their notes on the Technology Review, they will rejoin the entire team in their pit area.
- The maximum time allowed for the Engineering Journey Presentation is 5 minutes. Up to 2 minutes of that time may be spent in a formal presentation by the team. The remaining time will be for Q&A.
- An engineering notebook is required and is to be used during this Presentation.
- The Engineering notebook is to be left with the judges upon completion of this presentation. It will be returned to the teams once the judges have had a chance to quietly review it.
- Judges will ask questions of the team in the following areas
 - What structure, in any, did you have for your design/build/rehearse meetings?
 - Engineering notebook
 - The engineering process.
- Teams will be judged on their engineering notebook, their understanding of the engineering process, and time management. .

3.4.4 – Story of the Day

- Teams are to present their Story of the Day in the pit area at their scheduled time.
- Teams will be notified by the judges when to begin. Once notified, teams have 15 seconds to begin their presentation.
- Remember: One false start, without penalty, is allowed per event.
- Remember: One time out (3 minute max) is allowed per event.
- False starts cannot be used for any presentation that has been going for more than 30 seconds.
- Remember: You have a 3 minute maximum time limit. If your time expires, the referees will notify you. At that time you must stop your presentation.
- It is recommended that your presentation have a well-defined conclusion so the judges know when you are finished.
- Once the Presentation is completed, all team students are to gather in/around their pit area for the Technology Review.
- Adult coaches/mentors are welcome to join the students in the pit area. However, only the students are to speak with the judges. Adults should be in the background, peacefully quiet.
- A brief (1-2 minutes) explanation by the team of what they did to adapt their technology for this presentation is to be given. This will be followed by a brief (1-2 minutes) questioning by the judges.

3.4.5 – Collaboration Story Presentation

- Both collaboration teams are to go to a designated Collaboration Staging Area/Story Space at their scheduled time.
- Teams may use their 12'x12'x8.5' spaces as well as the space between the two Story Presentation areas.
- Teams have a minimum (may also be the maximum) of 20 minutes to set up for their presentation. Ten minutes in the Staging Area and ten minutes in the Story Space.
- Your Staging Area/Story Space may be adjacent to other Story Spaces that may be in progress. Thus setting up quietly is important. Loud or distracting behavior during set up may result in a penalty or even disqualification.
- Once your setup is completed, team captains are to notify the judges assigned to your Story Space. Once notified, the judges will begin a pre-presentation inspection.
- Teams will be notified by the judges when to begin. Once notified teams have 15 seconds to begin their presentation.
- False starts are not allowed during the Collaboration Story Presentation.
- Time outs are not allowed during the Collaboration Story Presentation.
- Remember, you have a 3 minute maximum time limit. If your time expires the referees will notify you. At that time you must stop your presentation.
- It is recommended that your presentation have a well-defined conclusion so the judges know when you are finished.
- Once the Presentation is completed, all team students for both teams are to gather in the Story Space to assist with quickly moving their technology back to the Staging Area. They will be joined there by a panel of judges.
- Adult coaches/mentors are welcome to join the students in the Staging Area. However, only the students are to speak with the judges. Adults should be in the background, peacefully quiet. .
- A brief (1-2 minutes) explanation by the team of what they did to adapt their technology for this presentation is to be given. This will be followed by a brief (1-2 minutes) questioning by the judges.
- Once the Q&A by the judges is completed, the teams are to quickly remove their setup from the Staging Area and make it ready for the next set of teams. Make sure you leave the Staging area and Story Space in at least as good a shape as it was when you arrived for set up.
- Once the Staging Area is cleaned, the team is free to go.

3.5 – Tournament Rules

<T01> Each presentation will begin with an autonomous mode. The minimum autonomous time for the Story Presentation is 60 seconds. The minimum autonomous time for both the Story of the Day Presentation and the Collaboration Story Presentation is 45 seconds. During the autonomous portion of the presentation the remote must be placed down in clear view of the judges to clearly indicate the presentation is in autonomous mode. At the beginning of the story it is permissible to press one button on the remote to initiate the autonomous mode. However the remote must be immediately set down once the presentation begins. The minimum of 60/45 seconds must be done in one continuous stretch. The autonomous section can exceed 60/45 seconds. Additional autonomous sections can be added to the presentation after the mandatory remote controlled section is complete which must take place immediately after the opening autonomous section. If additional autonomous sections are added the remote must be placed down, in clear view of the judges to indicate the presentation is in autonomous mode. .

<T02> At least 90 seconds of each/any presentation must be done via remote control. This initial remote controlled section must immediately follow the opening autonomous section. During the remote control portion(s) of the presentation, the remote must be held in clear sight of the judges. The minimum of 90 seconds must be done in one continuous stretch. The remote controlled section can exceed 90 seconds. The remote controlled portion of the presentation can extend through the remaining duration of the presentation or can be interleaved with autonomous sections. If there are multiple remote control

sections the remote must be held in clear sight of the judges during each remote controlled section to indicate the presentation is in remote controlled mode. .

<T03> Each team will be allotted ONE time out, of no more than three minutes, per event. The time out can only be called directly preceding a team's presentation and **cannot** be taken during a presentation. Time outs can only be used in conjunction with the Story Presentation.