

2016 TECHNOLOGY CHALLENGE RULES

FLASTEM Technology Challenge is open to all current 4th through 8th-grade students (in 2015-2016 school year) in the Tampa Bay region. Use your creative idea in one of the given themes and advance your learning using technology, computer programming, and robotics while solving local and global problems. Listed topics for this year challenge are health and fitness, environmental issues, or education and learning. Your project should be novel and compelling enough to impress our judges!

WHO CAN PARTICIPATE

The competition is open to all 4th through 8th-grade students including public, private, and homeschool students in 2015-2016 school year, who live in the Tampa Bay area (Pinellas, Hillsborough, Manatee, and Pasco counties). You can register for yourself or for a team of two students to participate in the competition. Ask adults for help during the online registration process.

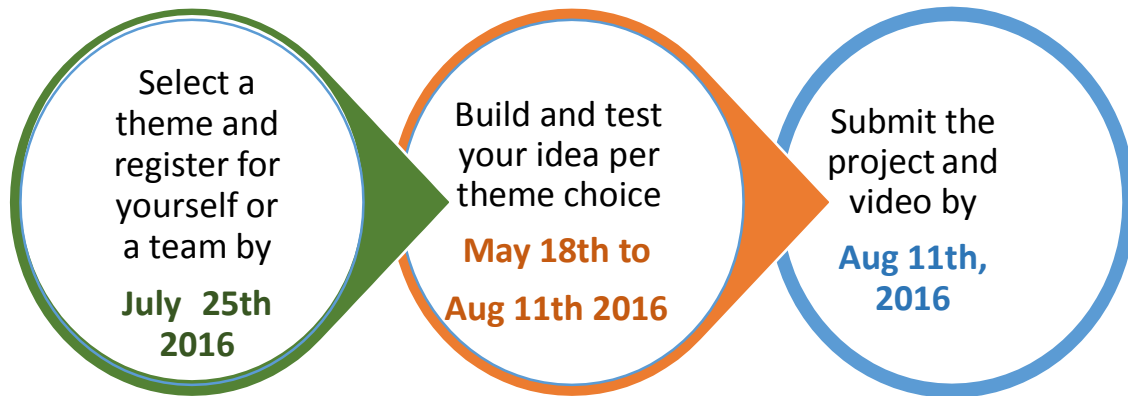
COMPETITION TIMELINE

Registration Begins	- May 18 th , 2016
Registration Closes	- July 25 th , 2016
Final Submission Date	- August 11 th , 2016
Top 10 Finalists Announced	- Late August
Awards Ceremony at Lakewood High	- Early September

COMPETITION THEMES

1. [Health and Fitness](#)
2. [Environment](#)
3. [Education and Learning](#)

HOW TO PARTICIPATE



1. REGISTER -

Choose a theme from this year's categories and register as an individual or a team before begin working on the project. Register before the deadline of **July 25th, 2016**. Registration deadline has been extended from the earlier cut-off date of June 30th until July 25th to allow students from STEM Summer camps to participate. Do not give any personal information beyond required in the forms.

2. WORK ON YOUR PROJECT -

Whether you are creating a game, mobile app, animation, code for a robot, or just putting together a prototype for a new device, the choice of technology and tool are your decision. Make sure your project is reflective of your actual abilities for the chosen theme and impress our judges while making a positive impact in the community!

3. SUBMIT -

Work on all of the required documentation and video for your project and submit before the deadline of **August 11th, 2016**. Projects submitted after the deadline will not be judged.

WHAT TO SUBMIT

- 1. PROJECT IDEA (Max 200 words)**

Provide a summary of your project, technology used and how it will impact the community. Make sure the project idea addresses a problem based on your theme and provide enough details and innovative approach for the solution.
- 2. TECHNICAL RESEARCH (Max 400 words)**

Provide in-depth research and technology used in the project. Give details about how your idea solves a problem and helps the community. If you're building a prototype of a device, show the technology behind it and provide illustrations/pictures for your solution and how it works. Use graphs, flowcharts, algorithms, and samples of code (for coding projects) to explain your proposed solution and how computer science, robotics, or technology are used in the proposed solution.
- 3. SUPPORTING DATA (Max 400 words)**

Provide details of how well your solution works and data to support your conclusion. Show satisfactory testing results with data analysis, comparison and final impact of your solution. If results are not favorable, state your takeaway and possible design changes for future work. If you have created an app or game, show the supporting data how it impacts the community. If you have made a health app, provide data accuracy to identify the problem and comparison with other expensive tools in the market.
- 4. VIDEO JOURNAL (2-3 min)**

The visual submission will provide an overall concise version of your report and should be used as your marketing pitch. Be creative and show your working product and technology behind it in the video documentary.

UPLOAD INSTRUCTIONS

1. You or your team should upload ONE PDF FILE that should contain the first three sections (project idea, technical research, and supporting data) of your project entry.
2. Video Journal of the project has to be uploaded to YouTube with only the link provided in the project submission form. The privacy setting of your video should be Unlisted. Watch the [help video](#) to know more about required settings for your video journal before uploading. Ask an adult to assist in uploading the video with appropriate settings.
3. Make sure you submit the application with approval checkbox checked by a parent or guardian for their consent to participate in the competition.
4. Incomplete forms or those submitted after the deadline will not be evaluated.