



STUDENT RULE SHEET

Astounding Inventions™ is an invention fair highlighting handmade inventions by students from the Irvine and Tustin School Districts in kindergarten through eighth grade. This event is hosted by Irvine Valley College and was established to promote student interest and learning in math and science.

1. **Each entry must come from one individual student; there are no group entries.**
2. **ENTRY DEADLINE Wednesday, January 11, 2017.** All students that are participating in Astounding Inventions™ must have their site rep submit their information by this date to the STEM dept.
3. Your invention should be an original object or system. It may also be an improvement of an existing invention. **NEW!** This year the Astounding Inventions™ is introducing a theme for the 30th Annual contest. Please note this year adhering to the theme is optional but encouraged. The theme this year is:
“Reducing our carbon footprint....SMALL footprints help our environment in BIG ways.”
4. Each student must submit an Invention Visual (display board or pitch video), a model/prototype, and an Inventor’s Notebook detailing their ideas, research, tests and results during the development of the invention.

- **Inventor’s Notebook**– You can use the notebook provided by your teacher, or develop your own using ours as a guide. The student should include drawings, photos, and/or diagrams of their invention. Teachers or parents may assist grade K-3 students in writing, but the content and illustrations must be done by the student. The written explanation should include the following:

Inventor’s Notebook Key Points

- Your name and school
 - Name of the invention
 - What need or problem does the invention attempts to solve?
 - How does the invention works and how the invention is made?
 - What materials were used in its construction?
 - Research. What research the student did to make sure their idea was new?
 - Who helped you with this invention?
- **Model/prototype** - Include a model of your invention. Your model does not need to actually work; however, it must clearly represent your proposed invention.
 - **Invention Visual: Option 2 : NEW option! The Pitch Video** - New this year inventors may create a video in lieu of a display board. This video will answer the same questions listed above in the **Inventor’s Notebook Key Points**. The inventor may show the materials used, the prototype, how it works and who helped you with the invention. The inventor's face does not need to appear in the video. Please be sure to draft an outline of what you want to say before you record your video. Speak clearly, loudly and slowly. Be creative and get the viewer excited about your invention. Below is a basic sample script for an imaginary invention:
 - “Hi, my name is Jane Smith. I go to Springbrook Elementary in Irvine Unified School District. I noticed how many cars are out on the road adding to our air pollution. I wanted to create something that will decrease air pollution. After researching many types of green transportation and aerodynamics I came up with *The Soaring Car*. It works by attaching wings to a car that helps it fly. I made it using PVC pipe, rope, and a light white canvas.”

- **Invention Visual: Option 1 : The Display Board** - Use the Inventor's Display Board handout as a guide. The display board is a visual presentation of the information in your notebook. Make sure that your project is free-standing (e.g. fold or tape panels of poster board together). **Dimensions** - The dimensions of the display board and the model must have outside measurements no greater than **3 feet wide by 1-1/2 feet deep and 3 feet high, with a maximum weight of 30 pounds**. The poster board should include the points listed above in the **Inventor's Notebook Key Points**.
5. Each student will be interviewed. Inventions will be judged on originality, usefulness, written description, research performed and the demonstration of the invention.
 6. Each school will select a specific number of inventions to enter the district's Astounding Inventions™ Contest, which will be held on Saturday, January 28, 2017, at Irvine Valley College.
 7. A letter will be given to students selected to enter the contest with specific directions regarding setting up your entry for the contest. The set-up date is Friday, January 27, 2017, from 3:00 PM-6:30 PM, at Irvine Valley College. There is NO late registration.
 8. **All contestants will meet with the judges for a required oral interview at Irvine Valley College on Saturday, January 28, 2017, between 9:00 AM-12:30 PM.** There are no assigned interview times! Decisions made by the judges for awards are final. Award winners will be announced on Saturday, January 28, 2017, at Irvine Valley College:
 - The Awards Ceremony for students in Grades K, 1, 2, 3, and Grades 6-8 will begin at 1:00pm.
 - The Awards Ceremony for students in Grades 4 and 5 will begin at 2:15pm.
 9. Don't forget to let your teacher know if you plan to participate!

QUESTIONS:

Call (949) 936-5057 or email sandramadrid@iusd.org