

PLEASE USE THIS FORM FOR EACH NOMINATION (PLEASE PRINT LEGIBLY.)

Student Name _____ DOB _____ Grade Level **September 2017**

Name of School _____ School System _____

Parent(s) Name _____ Phone # _____

Home Address _____ City _____ State _____ Zip _____

Enrolled in a gifted/talented program? Yes _____ No _____ Achievement Test Scores _____

Latest group or individual intelligence test: _____

Name of Test _____ Date Given _____ Score(s) _____

*Signature of Nominator _____ Position/Title _____

Check your favorite subjects in school (number your choices in order of preference) _____ Science _____ Math _____

Reading _____ Music _____ Art _____ Other, What? _____

Have you attended previous Summer Laureate Sessions? Yes _____ No _____

If so, when? _____

PLEASE NOTE: Returning Laureates do not need to re-submit eligibility documents/test data.

Email: _____

OFFICE USE ONLY
Application Fee _____
Total Fee _____

SOLAR OVENS

Build and take home a solar oven - think solar energy. Demonstrate heat gain, heat loss, and the second law of thermodynamics. Toast up s'mores, nachos, and other small treats. Mix fun in the sun with learning about solar energy.

BALLOON AERONAUTICS

Topic: Aerodynamics. Explore Newton's three laws of motion and examine the effect of different forces on the rocket. Teams will construct a rocket from a balloon propelled along a guide-string. Redesign using bigger or smaller balloons, fill the balloons with water and repeat the experiment, tape pennies to the outside of the rocket to increase the mass. More learning options!!

A LAUREATE THINK TANK

An action packed simulation which approximates conditions in many businesses. Work in teams as employees of a think tank. Find creative solutions for problems which your team was contracted to resolve. A definite student favorite!

All Levels

RUBE GOLDBERG EXTRAVAGANZA

Create a Rube Goldberg machine to perform a simple task. These fanciful machine incorporate forces and energy to produce amazing results through a chain reaction of events. Think of the game Mouse Trap, only life-size!

IT'S ELECTRIC!

Learn about circuitry and wiring and then apply your knowledge to create an electro magnet, a matching-style board game, and lastly an alarmed trip-wire to catch hunters.

PAPER ROLLER COASTER

Create your own paper roller coaster by using only strips of heavy paper and tape! You will use templates to fold, cut, and tape papers together to build a sturdy roller coaster that can reach the ceiling. Watch a marble move through different curves, turns and obstacles that you design. At the end of the week you will be able to show off your newly engineered coaster to the rest of the Laureate participants.

Summer Laureate: June 12 - June 16, 2017

PLEASE RETURN THIS PORTION OF THE BROCHURE

Grades 3-5

- THREE LITTLE PIGS**
Well, you know what happened in this story! Let's correct those construction mistakes - right now. Rocks, soils, and minerals - how do they react when mixed together? Build three different sand castles and test them for strength, resistance to weathering and you know who ... Just call 392 - PIGS for the wolf protection plan as well as the best material plans. Reasonable prices!
- LAUREATES GO WEST**
Form a wagon train, pack your belongings, yoke up oxen, and head for Oregon Territory. Face the hardships of 1840 pioneers. Join us for a six month journey. History revealing. Places you in the real life of these early pioneers.
- CAPTIVATING SCIENCE**
Become involved in science fun with bottle caps - of all things!! Pop the top and learn. Water whirler: How can you turn a bucket of water upside down and not spill a drop? Can you design and build a parachute for a bottle cap? Counterfeit caps: What does it take to be a problem solver? Exciting team work. Observe, predict, data collecting. Unique session!!
- A LAUREATE CAR DEALER**
Build rubber band racers and mint mobiles. SO EXCITING! Test the rubber - band racers and the mint mobiles, evaluate the results, measure distance, calculate speed. Test and refine the designs. Explore options for other vehicles.
- CLOUDY WITH A CHANCE OF STEM**
A twist on the famous Cloudy with a Chance of Meatballs book and movie series. Explore clouds, meteorology, inventing health, nutrition. Join us with this one; a really unique session!
- IF THEY BUILD IT, THEY WILL LEARN**
Physical science: balloon in a bottle, baking soda powered boats, build towers with index cards, and Star Wars activities. More Topics. We are on a building rush! Unlimited creativity!
- CATAPULTS EVERYWHERE**
Blow the dust off the historical catapult - we are building our own. Newton's laws, projectile motion, simple machines, speed, and mass. Which method of delivery is the most efficient, cost effective and easy to build? Testing is the best part! Kewl stuff; join us. A fun fling, too.

- INSULATORS—WHICH ONE?**
Its picnic time and chilled drinks. Fall and its time for warm drinks or food. Best insulators for both temperatures: air, Styrofoam, foil, or cotton? Laureate teams investigate the properties of insulators and conductors. Pre-activity prediction; final decisions. A great experimental process!

Grades 6-8

- ROLLER COASTER DESIGN**
Calling all structural engineers...safer highways, cool phone apps, thrilling roller coasters. What do these things have in common? Engineering design! Build a roller coaster with one loop / one jump. Show potential energy transform into kinetic energy. A favorite of Laureates in past years; it will be yours, too.
- PROTECT THAT BRAIN!**
Mr. Egghead - An adult brain is only 2% of the total body weight, but uses 20% of the blood supply. SO - it must be really IMPORTANT - would you say? Test helmets using different variables. Projects with that incredible egg! Join us!
- LAUREATES AS SCIENTISTS**
It's not rocket science! Conduct scientific inquiry using ordinary materials such as pennies and bubble gum. Generate hypotheses with controlled experiments. Other topics. Can't go wrong with this one!
- RUBBER BAND RACERS**
Design your car to travel in a straight line for at least 3 meters within a 1 meter wide track. Work in teams of "engineers". Plan, design, and test.
- TOUCHDOWN: THE LUNAR LANDER CHALLENGE**
Assume the roles of aerospace engineers and design, create and improve equipment. Build a shock-absorbing system that protects two marshmallow "astronauts" when they land. Build, test, evaluate, and redesign are the plans for these engineers. Let's get started!!