Groups culture cel add regular bar so anti-bacterial soap hand sanitizer to tl assigned time, dec the most bacteria. analyze results. Bi	nis is a hands-on activity! Ils from unwashed hands, ap, regular liquid soap, o, dishwasher soap, and ne cultures. Grow for an cide which soap removed Incubation petri dishes and ology, chemistry, and life into one workshop. Real lashing water!	documents/test data.	do not need to re-submit eligibility	PLEASE NOTE: Returning Laureates	Have you attended previous Summer Laureate Sessions?	Reading Music_	Check your favorite subjec	*Signature of Nominator_	Name of Test	Latest group or individual intelligence test:	Enrolled in a gifted/talented program?	Home Address	Parent(s) Name	Name of School	Student Name
Think twice before ROM, don't throw a and find that plasti State-of-the-art se stretching your impart in the joy of re	= Tomorrow's Robot discarding that 1985 CD- away that aluminum can, c bottle under the couch!! ssion, eco-friendly while agination as well as taking ecycling. These "Bots" are ht. Hands on; solar topics	Email	eligibility	aureates	ıs Summer Laureate Sessi	sic Art	ts in school (number your			ntelligence test:	ed program?Yes				
will design and bui penser with your to specific instruction assure a prototype completed project great team work e	vanted, huh? Laureates Id a prototype candy diseam. Your team will have as with limitations which will that you want as a . What an opportunity for experience in completing this team members can even				Yes No	Other, What?	Check your favorite subjects in school (number your choices in order of preference	Position/Title	Date Given		No Achievement Test Scores	City	Phone#	School System	DOB
tracking hurricane designs still need i develop and test s - start with low tow strengthen each to (fan). Build, test, a	rricanes! Forecasting and shave improved. Building much help. Generate ideas, olutions. An exciting session wer requirements then ower testing the wind force and redesign a building that imulated) hurricane. Crea-	Total Fee	Application Fee		If so, when?		nce) Science		Score (s)		Scores	State			Grade Level September 2018
cess need the Lau bridge; not much n fact, copper penni afford. You can bu sheet of paper and must span 20 cm a 100 pennies. Your	e d engineering design pro- reates attention! We need a noney to build it with - in es is the best we could ild a bridge from a single l up to five paper clips. It nd support the weight of budget is limited, but you rials. Can you do it? Sure			OFFICE USE ONLY			Math					_Zip			r 2018

Laureate Mechanics

- Only a limited number of students can be accepted into and accommodated in the Summer Laureate
- The Laureate will be held from 8:30 am to 3:00 pm daily.
- Students who are selected for Laureate will be sent further details. On opening day, an orientation meeting with class schedules will be held on campus for parents and students.
- All Laureate participants and their parents automatically grant permission for use of student activities, such as picture taking, movies, video or audio taping. Permission is also granted for planned field trips. It will be necessary to have medical forms on file and your own medical insurance.
- Transportation to and from the campus will be provided by the parent.
- Lunch and snacks will be served in the Kennedy Union. A non-refundable application fee is necessary. (If student is not accepted, application fee will be refunded.) The remaining balance of \$200 must be paid by
- Make checks payable to:

PLEASE USE THIS FORM FOR EACH NOMINATION

Lelia C. Boyd, Ph.D.
Director - Summer Laureate
538 Hopper Hill Farms Road
Cincinnati, Ohio 45255

- Fees are non-refundable for cancellations after June 1.
- The deadline for nominations is April 20.
- After deadline, please call for possible openings, (513) 753-9143.
- Notification of applicants who are selected is May 4, 2018. Phone: (513) 753-9143.

Lelia C. Boyd, Ph.D. 538 Hopper Hill Farms Road Cincinnati, Ohio 45255



Wisdom lies not in knowledge - which quickly becomes outdated - but in perpetually seeking it.

~ Socrates

2018
University of Dayton
Kennedy Union

Summer Laureate 2018 • June 18 Through June 22

At the University of Dayton Kennedy Union

Laureate 2018 - A Perspective

Welcome Summer!

Sail away from the safe harbor. Catch the trade winds with your sails. Explore. Dream. Discover. ~ Mark Twain

The Summer Laureate -A unique summer program...

- ...where high academic achievers in grades three through eight have the opportunity to expand their knowledge within a university setting.
- ...where dedication to the pursuit of learning are reflected in the staff, students and program offerings.
- ...where there exists a challenging education plan that blends academic, cultural, social and recreational components into a rich and natural environment
- ...where a staff is selected for their high level of preparation in their disciplines, outstanding teaching abilities and enthusiasm for working with bright students.

To Our Students

Midday activities bring the "Laureate Family" together for guest speakers, discussion topics and cultural presentations.

The cost for the one-week program is \$300. This includes all activities, instructional materials (except assigned lab fees), recreation, noon meal and

snacks, plus the Sundae Social on Friday afternoon. Details will be given at orientation on June 18.

Selection

Laureate is designed specifically for high academic achievers who meet the following criteria:

- Enrolled in a gifted/talented program in their respective school.

OR

- Superior achievement in an academic program
- Student entering third through eighth grade in September 2018

Final selection is dependent upon the Laureate screening after all data is considered. Those who are selected will be notified by May 4, 2018.

You're Invited!

Back by popular demand! The Sundae Special is a Laureate tradition since its inception. Time and location to be announced. A happy event to a funfilled week. Invite your family members to join us!

Workshop Descriptions

Choose SIX of the workshop sessions which interest you. Number your choices in order of preference (1, 2, 3, etc.) in the boxes provided by each workshop you select. There is a maximum capacity attendance for each workshop so be sure to register as soon as possible. We will make every effort to provide three workshops of your choice. A workshop may be cancelled if there is insufficient enrollment.

Because young minds matter

Grades 3-5

Potato Power The lovable potato can light an LED clock (or light bulb)!! Learn how a battery works in a simple circuit, and how chemical energy changes to electrical energy. Amazing! Along with this, learning of voltage, current, and resistance. Connect 2 potatoes! Can we get electrical energy from a fruit or vegetable? (I never saw a potato I did not like even Mr. Potato Head!) Wow! What a session! Seismic Shake-up! The earth does rumble! As an engineer, you will build your own structure to withstand damage. Build out of toothpicks and marshmallows. Test how earthquake-proof your building by simulating an earthquake in a pan of Jell-O. Test it, and then redesign the structure based on its performance. A very scientific process! Since your project was so good, make a pitch to a company to convince them to let you design a better building or structure for them. So challenging and an appropriate problem solving session! Humanoid - What's that? Well, it's a robot with its body shape built to resemble a human body. Your team's task is to program a "humanoid robot" to build a structure. A programming station will be set up for a team of two. Note: listen to the robot language: programmer, sensor, microcontroller. Trade roles; switch the programmer and robot roles so you will experience both a programmer and a robot. Learn the learning limitations of a robot. What a great session! Other topics **Toothpick Bridges** How did the chicken cross the road? If it were smart, it built a bridge! That's what this session does!!! Integrate math, science and technology. One of the most popular engineering activities is the bridge design and construction. Strive to build a bridge to support as much as possible! 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. **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 early pioneers.

convenient and easy to carry. Protect our animal friends from discarded plastic rings. Build, test, and redesign. They will love you! Great Teamwork.

Invent a holder for 6 cans that's animal-safe, sturdy,

Fairy Tales on Trials

Harmless Holder

Observe a fine line between "doing wrong" and "crime". Character education, critical thinking, lots of problem solving, and teaches our actual legal system. Act as lawyers, judges, witnesses or defendants in court cases. Join us in this session! You will like it!! Who knows this session might just open a career field in your future!!

Dayton Daily News

B.B. Wolf indicted - FINALLY! You know what he did! Public opinion found him guilty of destroying the residence of those little pigs. Demonstrates principles of American life. This criminal trial simulation may shed doubts on his previous conviction. Was he really guilty of destroying their house? Could he have been merely a victim of wolf prejudice and circumstantial evidence? We shall see! Let the court decide! A great learning experience with lots of interest and enthusiasm

Grades 6-8

Spaghetti Soap Box Derby

Want to race? Get ready to design, build and test model vehicles capable of rolling down and coasting how far who knows? Your vehicle - made entirely of pasta for the chassis. Constraints, but you can do it!! A challenge—you bet! Learn gravitational, potential energy, kinetic energy, and rolling resistance. May the best partners be derby winners! (Other Topics)

Touch Down

Protect an astronaut from being crushed by the forces of lift-off - How? You must help them! Design and build a shock-absorbing system for a spacecraft to protect two marshmallow astronauts when they land. After the marshmallow design, stakes will be altered by using an egg. Fun and EVEN more challenging take command!

Cupcakes: What's Their Impact?

Laureates will learn life-cycle assessments. How do engineers determine environmental impact of everyday products like the lowly cupcake? More than just vummy!! Six teams will calculate data of a cupcake's life cycle - wet and dry ingredients, baking materials, frosting, liner disposal. What an exciting and can't-get -any-sweeter workshop!