



FROM THE DESK OF DR. ROSE DAVIDSON, CURRICULUM DIRECTOR

ACADEMIC ACCOLADES

2022 Web Development Final Projects

Congratulations to the **Computer Languages: Web Development** students on their successful final projects. This year's projects range from tips on the best places to visit in St. Louis, travel destinations around the world, choosing the perfect dog, favorite flowers and Pandas, along with others. Click [here](#) to view these projects.

The Web Development semester course is one of the Computer Science & Engineering department's course offerings which can be taken to partially fulfill the graduation requirement of 1 CSE credit.



SJA Composting Program

The composting program at SJA is an initiative to divert some of our school's food waste out of landfills and toward more sustainable outcomes. Food scraps left over from the school's daily lunches are collected and sorted daily by student volunteers to ensure that no contaminants are included with the food waste. Twice a week a truck from [Total Organics Recycling](#) picks up our school's sorted organic waste and takes it to their facilities, and this waste is then processed through windrow technology into nutrient-rich compost that is later made available for commercial growers and homeowners to enrich their soil.



SJA Food Waste Diversion Report for 2022		
Month	Average Weight (lbs.)	Total Weight (lbs.)
January	100	100
February	135	675
March	118	1062
April	107	749
May	115	575
June (no school)	0	0
July (no school)	0	0
August	112	112
September	80	320
October	205	410
November	127	508
December	92	368
Total for 2022		4879
Total since SJA began program		14774

The average weekly weight during the school year of food waste diverted in 2022 was 112 pounds.

The average avoided the carbon dioxide equivalent emissions since the program began as equal to having 1 car removed from driving.



Student Opportunities

Many spring competitions and summer opportunities for students are being announced on a daily basis. Several of these are featured in the bi-weekly Academic Accolades (see of these below). For a complete listing of student opportunities arranged by application deadlines, click [here](#).

EngineerGirl Writing Contest

The [EngineerGirl Writing Contest](#) is open to all students in grades 3-12. This year's contest is "Better Great Achievements". Students are invited to write a piece that shows how female and/or non-white engineers have contributed to or can enhance engineering's greatest achievements. [Here](#) are more details on how to enter the EngineerGirl Writing Contest and win cash prizes.

The submission deadline is February 1, 2023.



St. Louis Area Brain Bee

February 25, 2023 | 12:00-4:00 p.m.

Rebstock Building, Room 215, Washington University Danforth Campus
(#102 on this [map](#))

[St. Louis Area Brain Bee](#) at Washington University is a neuroscience competition for high school/home school students in grades 9-12. Students who participate in the Brain Bee will enjoy hands-on brain activities, meet teenagers from other schools and learn more about the science of the brain. The SLABB competition is a great opportunity for students to read cutting-edge science materials and win prizes, research internships, and trips to other Brain Bee competitions.

Any high school/home student from grades 9-12 is eligible to compete in the Brain Bee.

Students can come to fun and informative "Tutorial Sessions" for the Brain Bee at the [Taylor Center](#) from 10:00-11:00 a.m. on February 4, 11, and 18. Each session covers different chapters from the readings in [Brain Facts](#) used in the Brain Bee competition.

Please visit the official [SLABB website](#) for more information about the Brain Bee, and to register..

Amazon Future Engineer Scholarship

Students can boost their future for themselves and their community with the support of college funding, paid internships, and industry mentors provided through the [Amazon Future Engineer Scholarship](#).

Amazon provides \$40K scholarships and a guaranteed internship at Amazon to a select group of high school seniors planning to pursue computer science degrees in college.

The criterion for selection includes:

- › Seniors planning to pursue a bachelor's degree in computer science, software engineering, computer engineering, mechanical engineering, electrical engineering, robotics, or other computer science related field of study and are planning to attend an accredited 4-year college or university (or an accredited 2-year college, with the intent to transfer to a 4-year institution)
- › Have taken computer science or engineering classes in high school or at a college dual program, or currently be enrolled in one. SJA course examples include:
 - Advanced Placement (AP) Computer Science A or AP Computer Science Principles
 - Engineering Methods, Principles of Engineering
 - Robotics
- › This opportunity is offered to support students with a notable need for financial assistance.
- › Have at least a 2.3 cumulative GPA out of a 4.0 scale, or equivalent.

Applications open November 1 and close **January 20, 2023**.

Click [here](#) to find out more and to apply.



Summer Opportunities Fair at Whitfield School

January 28, 2023



The annual [Summer Opportunities Fair](#) features 160 local, national and international camps; foreign study and travel specialty

camp; and academic enrichment and volunteer opportunities for children ages 3 to 18. It is open to the public and free. The annual fair is sponsored by: John Burroughs School, Mary Institute and Saint Louis Country Day School, and Whitfield School.

The event will be held at Whitfield School, 175 South Mason Rd, 63141.

Stanford | Pre-Collegiate Studies

Stanford Summer Humanities Institute

Redwood City, CA (see session dates below)

[Stanford Summer Humanities Institute](#) is a three-week residential program where rising high school juniors and seniors explore the big questions at the heart of the humanities in seminars led by Stanford professors and graduate students.

Two sessions are available: 6/25-7/14/23 or 7/16-8/4/23

The application deadline is 2/1/2023.

“You can make a difference” Poster Contest

High school students, grades 9 through 12, are invited to enter [The Christopher’s 33rd Annual Poster Contest](#) by creating a poster interpreting the theme "You Can Make a Difference".

Prizes include:

- > First Prize - \$1,000
- > Second Prize - \$500
- > Third Prize - \$250
- > Up to five Honorable Mentions of \$100 each

Guidelines:

- > Posters must include the statement “You can make a difference” and illustrate the idea that one person can change the world for the better.
- > Each poster must be the work of one student.
- > The poster concept and design and any photos or artwork used must be the original work of the student entering. Posters can be digital, hand drawn, painted or made by hand.
- > Posters must be 16 x 20 inches in size, including border or mat, if used.
- > If charcoal, pastels or glitter are used, the poster must be either laminated or covered with clear plastic.
- > Posters will be judged on overall impact, effectiveness in conveying the theme, originality and artistic merit. Judges’ decisions are final.

Entries must be postmarked by February 16, 2023.



University College Dublin
Ireland's Global University

UCD High School Summer Program

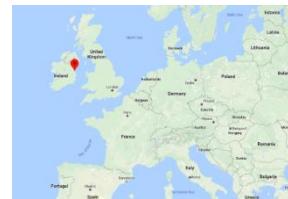
University College, Dublin Ireland | July 6-21, 2023

The [UCD High School Summer Program](#) is an enrichment program designed specifically for North American students who are interested in learning more about Irish history and culture and may be considering the possibility of applying to universities in Ireland for their undergraduate degrees.

Through a series of taught lectures and interactive workshops at UCD, we introduce students to the academic culture in Ireland and the variety of subjects they can study. We also introduce students to Ireland's rich history and cultural identity through field trips around Dublin and the Irish countryside. At the end of the two weeks, we hope the students will have found that the academic programs and vibrant cultural heritage will be a great fit for future studies.

To be eligible for this program, students must:

- > Be current juniors or sophomores (16 or 17 at the time of program)
- > Demonstrate a minimum 3.0 GPA.
- > Google application form, including two brief essays about their interest in the program and what would make them a good candidate.
- > Counselor recommendation



Priority deadline for applications is February 15.

Last year's program reached capacity by February and operated on a waitlist, so this year, rising Seniors will receive priority consideration. Should availability remain, rising Juniors can be offered a place. Applications will remain open until capacity has been reached, or April 1. This program is non-credit bearing.

