SUMMER ENRICHMENT INSTITUTE (SEI) - 2019

A free 3-week summer program sponsored by The University of Iowa’s Center for Diversity & Enrichment (CDE); designed to enhance the academic experience of Iowa City-area secondary-level students of underrepresented populations.

The University of Iowa, Iowa C...
319-335-3555
summerenrichmentinstitute...
diversity.uiowa.edu/programs...

WEEK 2 - SCIENCE UPDATE
Research questions, hypotheses, background information, experiments and data, oh my! It's been a productive second week for students in SEI!

This week students got into the thick of their projects. Experiments were set up, data collected and plenty of notes were taken. It's been a real treat for both Jorge and I to help each group on this journey. The students have been able to jump right into their work at the start of each day. This week has afforded the students opportunities to get a first-hand sense of the process of scientific investigation; some experiments didn't work the first time and the students needed to go back to the drawing board; some results were so interesting that the students were able to explore a question they didn't think of before.

Now the challenging part of data analysis and conclusion making is in front of the students. We will be helping students put this part of their projects together on Monday and Tuesday of next week. In addition to their projects, Space Physicist, Dr. Allison Jaynes talked to the students about her work in space weather. Her research is similar to Dr. Craig Kletzing, who won an unprecedented, $115-million-dollar research award from NASA yesterday. We also took time to visit the glorious greenhouse in the Biology building, next to Van Allen. One student noted that she felt very calm near all of the plants.

By the end of next Wednesday, students will have had at least one chance to practice their presentations in front of their peers (within the scheduled hours of our program). All of the students' work will culminate to one final science fair project, presented to a panel of judges on Thursday, June 27th at noon.

Thank you to Blanca Ramirez (CDE, Academic Coach) for her help in the lab this week. And to both her and Jorge for the fabulous pictures!

~Alexis Durow & Jorge Hernandez

The UI Wins Its Largest-Ever Research Award: $115M NASA contract calls for UI physicists to study connection between Earth, sun magnetic fields
SCIENCE RESEARCH QUESTIONS

How do daphnia react to different types of elements? ~KH, EL, & AK

How does location affect a carnivorous plant's growth? ~RG

Does listening to music in your 1st and 2nd language while studying affect your test score? ~KF & DF

How does the type of solution affect the type of drinking straws? ~KB & TN

What is the most effective hand sanitizer to kill bacteria? ~AK & JT

What is the best type of plant to absorb nitrates/nitrites out of water? ~MMN

How do fruit flies behave in different environments? ~AB, FPB, & JP

What types of water carry light better? ~KM & TG

What makes tonic water glow? ~MM
Does color affect taste in drinks? ~CG & DM

BREAK-TIME FUN

Joy Harjo Is Named U.S. Poet La...

The Oklahoma-born writer, a member of the Muscogee Creek Nation, is the first Native American to hold the post.

ANIK A PAULSON'S TED JOURNEY & TALK
Transcript of "How I found myself...

TED Talk Subtitles and Transcript: "Music is everywhere, and it is in everything," says musician, student and TED-Ed Clubs star Anika Paulson. Guitar in hand, she plays through the beats of her life in an exploration of how music connects us and makes us what we are.

**WEEK 2 - PUBLIC SPEAKING UPDATE**

*Upperclassmen:*
Students worked hard all week on their speeches and practiced the delivery of their introductions. They also did some editing and timing of their speeches as I proofread them. We also looked at more of Joaquin's poems from *Arsonist* and read another few chapters from Michelle's *Becoming* for analysis and inspiration. The group is nervous about their speeches but I am excited for them!

~Dolores Silva
Underclassmen:
This has been a productive week for the students. All the effort that we made to get to know each other was very apparent throughout this week. There was a noticeable energy and excitement to meet and spend time with each other in class. Students who were shy at the beginning of last week are opening up and are slowly finding their voices. Last week’s effort to get to know and become comfortable with each other also created a safe environment for students with learning and developmental disabilities, because they felt supported and encouraged to engage and actively participate in class discussions.

We continued to read and discuss *Becoming*, by Michelle Obama. And spent time discussing poems from *Arsonist*, by Joaquin Zihuatanejo. The majority of the students continued to work on developing their personal stories and related topics from last week, while a few students attempted to develop new personal stories and potentially related topics. We spent time discussing how to engage with and keep the attention of their potential audience, through the use of hooks, anecdotes, and provocative statements and questions. We also focused a lot on speech organization and coherency, as well as development of concise and relevant statements.

Given the fact that some of the students are addressing ongoing contemporary issues, we spent a considerable amount of time brainstorming practical ways to inspire and change people's minds and behaviors. This has been a challenge for some students given their developing view and understanding of the social and political world that they live in. I have witnessed their growth and maturity as they have challenged each other's ideas and received feedback from each other. This has allowed the students to gain an appreciation for the diversity of thoughts and the complexities of problem solving in their current social and political world.

Towards the end of the week, each student had the opportunity to do a few mock presentations. This allowed each student to receive feedback on the content of their presentation, as well as suggestions for improving their public speaking skills. Each student is expected to take all of their progress this week, along with all of the feedbacks, and narrow down or expand their Talks to a 2 & 1/2 to a 3-page document—which is due by Monday of next week. We focused on not overestimating or underestimating the necessary length of their presentation.

~Troy Mills
PUBLIC SPEAKING TALK TITLES

Being Shy Doesn't Mean I Don't Have Potential ~KF

Inspiring People with Autism ~CG

Life of Poverty ~RG

Kindness ~KH

Self-Parenting ~KB

Gun Control ~JT

It Is Ok to Let Go ~MMN

Dependence on Technology ~DF

Immigration ~AK

Black Lives Do Matter ~AB

Self-Confidence ~EL

Homelessness ~KM

Dealing with Change ~MM

Gun Violence ~MFP

From Teen Pregnancy --> to Single Parenting ~DM

Education for Girls Around The World ~AK

Stereotypes ~JP

https://www.youtube.com/watch?v=5h-PnwYnnok&list=PL71qiWRg4XP9jL04Afz69OQTydcoM4FMF&index=19

TED ED CLUB ...@SEI

...BUT ALSO AT YOUR SCHOOL; WHY NOT?
CLASS DATES & HOURS:

June 10th thru June 26th

- Science Fair classes:
  1. 9am-11am;
  2. Van Allen Hall (building);
  3. Instructors: Jorge Hernandez & Alexis Durow

Mon-Fri: 9-11am Science Fair project; students will apply the scientific inquiry method to a research question of their choosing and carry out the necessary research and data collection to complete a science fair presentation that will be judged by professional scientists and researchers on June 27th.

- Publick Speaking class: Troy Mills
  1. 12pm-2pm: underclassmen
  2. Phillips Hall (building)

- Publick Speaking class: Dolores Silva
  1. 12pm-2pm: upperclassmen
  2. Lindquist Center (building)

Mon-Fri: 12-2pm Public Speaking project; students will read and discuss, excerpts from Becoming by Michelle Obama, as well as excerpts from Arsonist by Joaquin Zihuatanejo, to delve into their own personal narrative, an aspect of which they will present at the SEI closing ceremony, on June 28th.
SEI SCIENCE FAIR

WHEN
THURSDAY, JUNE 27TH, 12-1PM

WHERE
UNIVERSITY OF IOWA

MORE INFORMATION
On June 27th, in the Van Allen classrooms for SEI, students are expected to report to their instructors at 9am. From 9am to 11am students will prepare and practice for their science fair presentations which will start at 12pm; from 11am to 11:45 students will be able to take a break and have their snacks, as they would on other program days. By 11:45am, students will be expected to be in their designated science fair presentation room.

SEI CLOSING CEREMONY

WHEN
FRIDAY, JUNE 28TH, 9AM-1PM

WHERE
THE UNIVERSITY OF IOWA

MORE INFORMATION
Closing Ceremony will include celebratory activities, student presentations of their Public Speaking projects, Presentation of SEI certificates, and lunch. It will be followed by the end-of-the-program trip to Omaha, NE.

END OF PROGRAM (OVERNIGHT) TRIP

Destination: Omaha, NE
Dates: June 28th (Fri. mid-day) thru July 1st (Mon. afternoon)
BLANCA RAMIREZ
University of Iowa, CDE
Academic Coach

KATIE NEWCOMB
University of Iowa, CDE
Academic Coach

NADINE PETTY
University of Iowa, CDE
Director

MOVIES... JOURNEYS IN FILM

Journeys In Film – Dedicated to ... journeysinfilm.org
Law school restores Illinois slav...

Law professor Lea VanderVelde is working with the Illinois State Archives to make the agency's online servitude and emancipation records database more complete and accurate.

University of Iowa employee win...

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