

Creative Ways of Engaging Students During Virtual Learning

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GEAR UP Achievers

South King County



UNIVERSITY *of* WASHINGTON



**GEAR
UP**

ACHIEVERS

South King County

UNIVERSITY *of* WASHINGTON



Introductions

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Introductions

Hong-Yen Chau

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McKnight MS: 935, cohort = 280

Hazen HS: 1824, cohort = 477



Agenda

Objective:

1. Learn about the different types of engagement GU Achievers have explored during this time.
2. Practice using some of the online platforms that increase student engagement

01

Introductions

Who are we?

02

Engaging students in STEM Online

Husky STEM Club

03

How to utilize office hours

Peardeck, Nearpod, guests speakers, etc.

04

Q&A

Questions?

Ice breaker



Slido Poll

In one word, how would you describe your experience engaging students online?

Poll

W

Ice breaker

Slido Poll

What do you think is your biggest challenge in engaging students during this time?

Poll

W

Husky STEM Club

UNIVERSITY *of* WASHINGTON



Husky STEM Club

Why?

- Cancelled 6 weeks of summer STEM camps
- Wanted to reach students in the summer somehow

How?

- Created weekly STEM challenges
- Used social media
- Sent out STEM kits




Husky STEM Club

- > **Participate in a challenge and get free stuff!**
- > When you participate in your FIRST Husky STEM Club challenge, you will receive the following:
 - A Husky STEM Club welcome letter
 - An official Husky STEM Club membership card
 - An At-Home STEM kit (including building rocket fuel and mini explosions).
 - For every 3 challenges you do, you receive another kit!
 - Invitations to our Husky STEM Club events

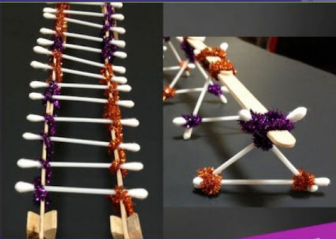



Monthly STEM Challenge




Husky STEM Club

Monthly STEM Challenge



Use any materials to build a bridge. How long can you make yours?

 @uwgearupskc #HuskySTEMClub

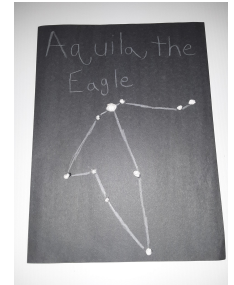
- You'll receive monthly email about STEM challenges
- Students have 4 weeks to complete
- Email the challenge to Kristen at yipk@uw.edu
- Or post on social media and tag us @uwgearupskc
- Find more information on our website: tinyurl.com/HuskySTEMClub1

Types of Challenges

- Catapult
- Paper Table
- Outdoor Scavenger Hunt
- Flying Object
- Ecosystem Collage
- Musical Instrument
- Boat



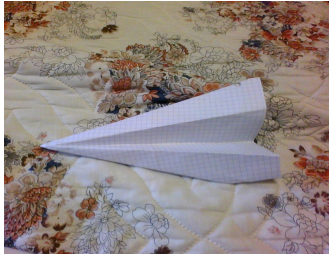
- Draw an Invention that solves a problem
- Build something with Cereal Box
- Tower
- Rocket
- Marble Run
- Astronomy related project
- Self Portrait with nature
- Bridge



Husky STEM Club



> So far 42 students in the club



STEM kits



Given out
over 45
STEM kits
to
students

Husky STEM Club Events

- > Held virtually once a month
- > Guest speakers in STEM
- > Free prizes for students
- > Games
- > Information session for parents on STEM pathways and coursework



Virtual learning tools



Google Slides or PDF

Code & Link for students
to enter

Downloads report on PDF

Time to Climb
(similar to Kahoot)

Games



Google Slides

Code students can enter

Downloads report on
excel in google

Flashcard Factory

Distance Learning

Office Hours (100+ students in attendance)

- **Information for high school success**
- **Introduction to STEM careers**
- **College access**
- **Career Speakers**
 - **Nepris**

Virtual College Tours & Fairs



Dr. Markus Boos

Pediatric Dermatologist
Seattle Children's Hospital
University of Washington



Ms. Thy Tran

Vice President, DRAM
Micron Technologies

Partnerships

Society for Women Engineers

- > Introduction to Engineering
- > Forward with SWE - Mentoring (HS)
- > Girls STEM Club - 2 learning events, 1 fun event, and 1 engineering challenge per month (MS)

TechBridgeGirls@Home

- > 6-8th grade girls
- > Thursdays after school
- > STEM kits with weekly activity delivered to students and families to participate virtually with the rest of the class!

Collaboration with classes

- > **AVID**
 - Replaces their class for the day
 - Ask teachers to make it as an assignment
- > **Guidance Counseling lessons**
 - Join classes once a week
- > **Newsletters to families**
- > **Email reminders to students**
- > **Nearpod Async time**



Tutoring

bit.ly/RSDtutor

Mondays - Wednesday
2:30-4:00 PM

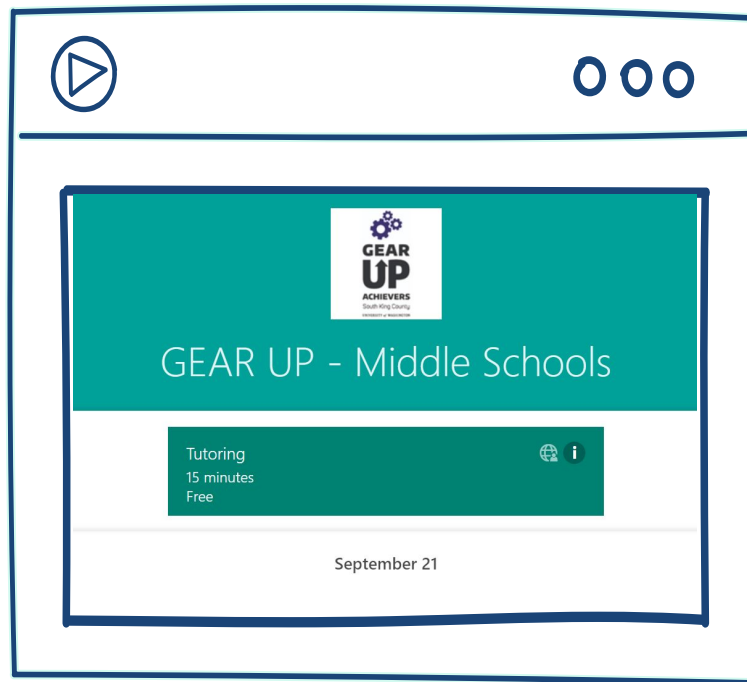
Thursdays
2:30-5:00 PM

Tutors:

Ms. Joshua

Ms. Tammy

Ms. Elizabeth





W


Tutoring


- > Students select time/date
- > Confirmation email with Zoom link
- > Reminder email 1 day and 30 mins before

Tutoring
Free



Thursday, October 22, 2020
3:15 pm (15 minutes)


Zoom


Ms Elizabeth


Confirmed booking for
Hong-Yen Chau

Tutoring with
Ms. Joshua
Free


Wednesday, October 21, 2020
2:30 PM - 2:45 PM

Reschedule

Cancel booking

New booking

Additional Information

Way to go! You are now confirmed with our tutor.

Please come on time, have your materials available and ready to screen share with your tutor.

<https://rentonschools.zoom.us/j/82251862036?pwd=REZZcTJwY1NXM0gwMXQwQjdJUEdzUT09>
Meeting ID: 822 5186 2036
Passcode: 386587

Thanks,
Ms. Chau



Launching Nearpod

- > Join.nearpod.com with code: **J3DQW**
- > Link in Chat - <https://share.nearpod.com/X4l0l1NhKab>

Idea sharing

What kind of engagement strategies have you found to be successful during this time?

Padlet

<https://padlet.com/yipk2/GUWest>



Thank You

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