

## Cloud Literacy Programming – CSCC K12 Summer Camp

NSF ATE Reach for the Cloud: Building an Industry-Aligned Pathway to Careers in Cloud Computing

Principal Investigator: Michael Greer

Co-Principal Investigator: John Crider

### Contents

K12 Summer Camp 2022 Flyers

K12 Summer Camp Social Media Marketing Plan

Alexa Skill Builder Summer Camp Schedule

Alexa Skill Builder Summer Camp Blackboard LMS



This material is based upon work supported by the National Science Foundation under Grant No. 1800988. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.



This work is licensed under the Creative Commons Attribution - NonCommercial-ShareAlike 4.0 International (CC BY-NC-SA 4.0). To view a copy of this license, go to:  
<https://creativecommons.org/licenses/by-nc-sa/4.0/legalcode>



# Career exploration for high school students



Summer 2022

Engineering Basics Camp

Additive Manufacturing Camp (3-D printing+)

Robotics Camp

Alexa Skill Builder Camp (cloud computing)

GenCyber (cybersecurity)

Automotive Summer Camp



Learn more at [csc.edu/summercamps](https://csc.edu/summercamps)

ALL SUMMER CAMPS ARE FREE – PD ALSO AVAILABLE FOR TEACHERS



Summer Camps at Columbus State



# Career exploration for middle and high school students

---

Columbus State hosts a variety of fun, educational summer programs for middle and high school students, as well as entering college freshmen.

Our summer camps give students an opportunity to engage in immersive activities and explore exciting career paths. Topics range from cybersecurity to health care and other STEMM (science, technology, engineering, mathematics, and medicine) fields.

We encourage students to sign up for as many camps that interest them! Our summer programming is often offered at no cost to eligible students.


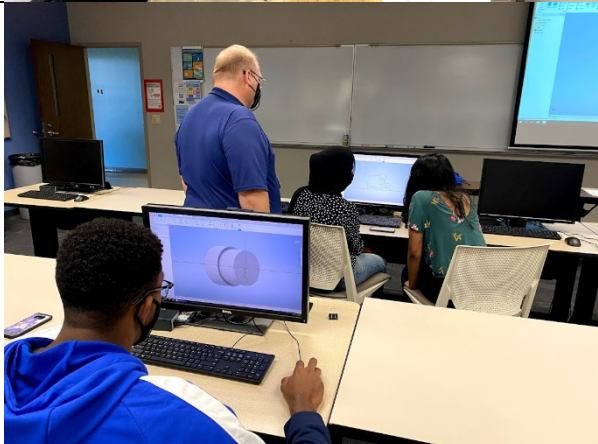
Learn more at [csc.edu/summercamps](https://csc.edu/summercamps)



## Proposed Social Media Posts for Summer Camps Outreach

### Target dates:

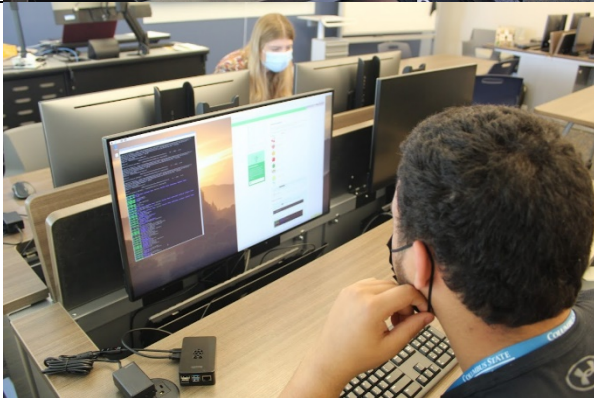
- Twice a month February-May
  - 2/1
  - 2/15
  - 3/1
  - 3/15
  - 4/1
  - 4/15
  - 5/1

Picture Options:	Caption Options:
 A student wearing a black jacket and safety glasses is operating a lathe machine in a workshop. Another student is visible in the background working at a different station. The workshop is filled with various tools and equipment.	<p>High school students! Experiment with cutting edge equipment and explore the world of engineering with us this summer at one of our free career exploration camps: <a href="http://www.cscce.edu/summercamps">www.cscce.edu/summercamps</a></p>
 A group of students is sitting at computer workstations in a classroom or lab. They are looking at monitors displaying 3D models. An instructor is standing and talking to them. The room has whiteboards and multiple computer monitors.	<p>High school students, we are making three-dimensional objects from digital models this summer, and you're invited to join us for free: <a href="http://www.cscce.edu/summercamps">www.cscce.edu/summercamps</a></p>



High school students, did you know you can teach an Amazon Echo Alexa device new skills? Learn how for free at one of our camps this summer:

[www.csc.edu/summercamps](http://www.csc.edu/summercamps)



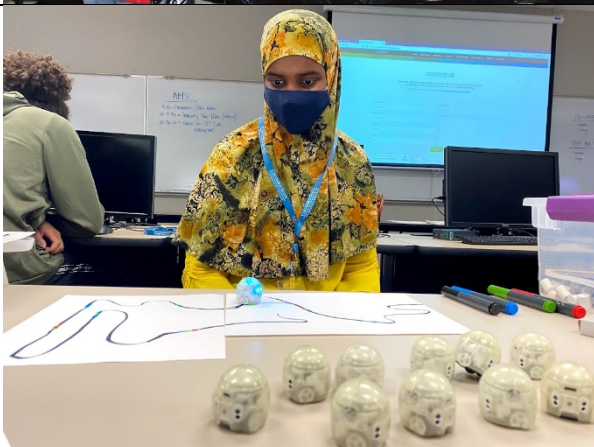
High school students, explore hacking, coding, cybers threats, and more with us for free at GenCyber this summer:

[www.csc.edu/summercamps](http://www.csc.edu/summercamps)



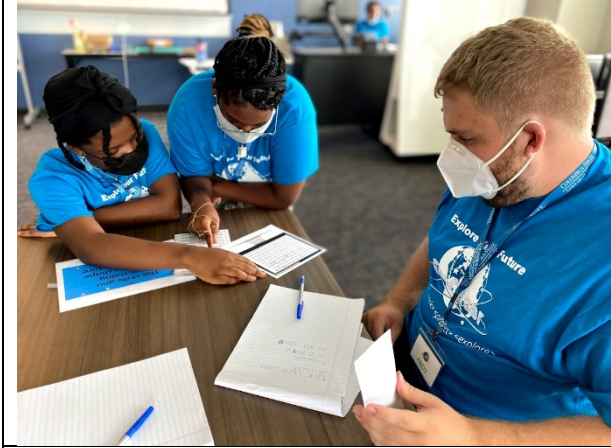
Pop the hood with us this summer, high school students, and explore careers in automotive at a free summer camp this July:

[www.csc.edu/summercamps](http://www.csc.edu/summercamps)



Every year, high school students practice programming miniature robots at our free career exploration camps in the summer time... Join us this summer? Learn more at

[www.csc.edu/summercamps](http://www.csc.edu/summercamps)



High school students interested in a career in STEM explore engineering, IT, automotive careers, and more at free, hands-on summer camps with Columbus State. Apply and save your seat today! [www.csc.edu/summercamps](http://www.csc.edu/summercamps)

# Alexa Camp Schedule

Presented to you by the National Science Foundation & Explore Your Future Summer Camps  
from Columbus State Community College

Times/Location	Activities	Instructor(s)
<b>Monday, June 27</b>		
8:30-9:00	Check-In	Alli
9:00-10:00 - WD 306/309	Camp Expectations/Overview of Week Introductions Computer/Blackboard Access Ice Breaker	Alli
10:00-10:15 - WD 306/309	Amazon Account Setup (students can take break as they finish)	Stephanie
10:15-10:30	Break	N/A
10:30-11:30 - WD 306/309	Accessing the Tutorial & Developer Console Alexa Skills Tutorial - Module 3	Mike
11:30-12:30	Lunch - 12PM Admissions presentation (IST majors and ITFA)	Katie Lease
12:30-1:00 - WD 306/309	Alexa Skills Tutorial – Module 3 Debrief	Mike
1:00-2:00 - WD 306/309	Introduction to Cloud	Mike
2:00-2:15	Break	N/A
2:15-3:45 - WD 306/309	Alexa Skills Tutorial <ul style="list-style-type: none"> <li>• Alexa Overview</li> <li>• Present Mod 0-2 Vocabulary</li> <li>• Module 0-2</li> <li>• Quizlet Vocab Review</li> </ul>	Mike (Alexa Overview) John
3:45-4:00 - WD 306/309	Daily Debrief	John
4:00-4:30	Check-Out	Alli
<b>Tuesday, June 28</b>		
8:30-9:00	Check-In	Alli
9:00-10:00 - WD 410	Industry Speaker – AWS Reps	Mike
10:00-10:30	Break	N/A
10:30-11:30 - WD 306/309	Day 1 Review Alexa Skills Tutorial <ul style="list-style-type: none"> <li>• Present Vocabulary</li> <li>• Module 4</li> </ul>	Mike
11:30-12:30	Lunch - 12 PM CSCC student visitors	Alli
12:30-2:00 - WD 306/309	Alexa Skills Tutorial <ul style="list-style-type: none"> <li>• Module 4</li> <li>• Quizlet Vocab Review</li> </ul>	Mike
2:15-2:30	Break	N/A
2:30-3:45 - WD 306/309	Breakout Box	Steph/Alli
3:45-4:00 - WD 306/309	Daily Debrief	John



4:00-4:30	Check-Out	Alli
<b>Wednesday, June 29</b>		
8:30-9:00	Check-In	Alli
9:00-10:00 - WD 306/309	Review Day 2 Driver/Navigator Module 4	Mike
11-11:30 - WD 306/309	Brainstorm of Alexa Skills	John
11:30-12:30	Lunch – 12PM Meet & Greet w/ the Dean	Alli
12:30-2:30 - WD 306/309	Alexa Skills Tutorial <ul style="list-style-type: none"> <li>• Present Vocabulary</li> <li>• Module 5</li> <li>• Quizlet Vocab Review</li> </ul>	John
2:30-2:45	Break	N/A
2:45-3:45 - WD 306/309	Alexa Skill Posters	John
3:45-4:00 - WD 306/309	Daily Debrief	John
4:00-4:30	Check-Out	Alli
<b>Thursday, June 30</b>		
8:30-9:00	Check-In	Alli
9:00-10:00 - WD 306/309	Review Day 3 Alexa Security Cloud and Data Centers	Mike
10:00-10:45 – Eibling Hall	CSCC IT Tour	All
10:45-11:00	Break	N/A
11:00-11:30 - WD 306/309	Alexa Skill Poster Presentations	John
11:30-12:30	Lunch	Alli
12:30-2:45 - WD 306/309	Alexa Echo Setup (John) Add Skill – Light Plug Demo  <u>Choose Your Own Adventure:</u> Add Existing Skills to Echo Mods 6-8 (Mike) Code Game (John)	John/Mike
2:45-3:00	Break	N/A
3:00-4:00 - WD 306/309	Camp Conclusion/Additional Resources and Extension <ul style="list-style-type: none"> <li>- Survey</li> <li>- IST Department Information &amp; ITFA</li> </ul>	Alli/Steph
4:00-4:30	Check-Out	Alli



# Alexa Skill Builder Camp Blackboard

2022 Alexa Skill Builder Summer Camp GRAN-ALEXA-2022-ORG Resources for Camp Activities Camp Daily Resources

2022 Alexa Skill Builder Summer Camp (GRAN-ALEXA-2022-ORG)

- Announcements
- About the Alexa Skill Builder Camp
- Maps, Schedules, Contact Information
- Resources for Camp Activities
- AWS Alexa Skills Certificate Information
- Stay Connected
- Zoom

**Organization Management**

- Control Panel
- Files
- Organization Tools

### Table of Contents

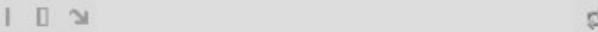
- Day 1
  - Amazon Developer Account Creation
  - Vocabulary
  - Module 3 Vocabulary
  - Cloud Overview
  - What is Alexa?
  - Alexa Features
  - Alexa Skills Kit Overview
  - Module 1 Vocabulary
  - Module 1 Questions to think about
  - Module 2 Vocabulary
  - Module 2 Questions to Think About
  - Alexa Skills Walkthrough
  - Day 1 Daily Debrief Questions
  - Cloud Overview Video
- Day 2
  - Module 4 Vocabulary
  - Alexa Skills Walkthrough
  - Module 4 Step 1 Questions
  - Module 4 Step 2 Questions
  - Day 2 Daily Debrief Questions
- Day 3
  - Alexa Skills Walkthrough

### Camp Daily Resources

Build Content Assessments Tools Partner Content

- Day 1
- Day 2
- Day 3
- Day 4




## Table of Contents






- Day 1
  - Amazon Developer Account Creation
  - Vocabulary
  - Module 3 Vocabulary
  - Cloud Overview
  - What is Alexa?
  - Alexa Features
  - Alexa Skills Kit Overview
  - Module 1 Vocabulary
  - Module 1 Questions to think about
  - Module 2 Vocabulary
  - Module 2 Questions to Think About
  - Alexa Skills Walkthrough
  - Day 1 Daily Debrief Questions
  - Cloud Overview Video
- Day 2
  - Module 4 Vocabulary
  - Alexa Skills Walkthrough
  - Module 4 Step 1 Questions
  - Module 4 Step 2 Questions
  - Day 2 Daily Debrief Questions
- Day 3
  - Alexa Skills Walkthrough
  - Driver Navigator
  - Vocabulary Module 5
  - What are some great Alexa Skills
  - Brainstorm Building Alexa Skills
  - Day 3 Daily Debrief Questions
- Day 4
  - Day 4 Daily Debrief Questions
  - Alexa Skills Walkthrough




## Day 1

**Build Content**  **Assessments**  **Tools**  **Partner Content** 

 **Amazon Developer Account Creation**  

Attached Files:  [Alexa Camp\\_Developer Account Creation.pptx](#)   (1.285 MB)

Directions for creating your account.

 **Vocabulary**  



You should expect to see many words used that you haven't seen before. You may find those who know more wor knowing" a word to "knowing" a word. Set the expectation that you will need to learn some new words. If you have transitioning.



You will see links to Quizlet for the majority of the new words we will encounter on this Alexa Skills Walkthrough.




 **Module 3 Vocabulary**  

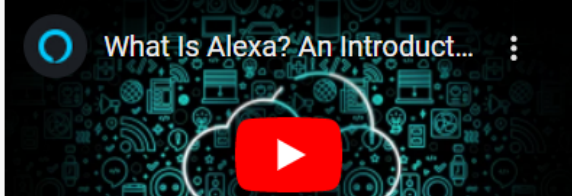

Refer to this link for vocabulary used in Module 3.

[https://quizlet.com/\\_bqcr0o?x=1jqt&i=1rnub0](https://quizlet.com/_bqcr0o?x=1jqt&i=1rnub0)

 **Cloud Overview**  

 [Alexa Cloud Overview.pptx](#)  

 **What is Alexa?**  

 **What Is Alexa? An Introd...** 

- 2022 Alexa Skill Builder Summer Camp (GRAN-ALEXA-2022-ORG)
- Announcements
- About the Alexa Skill Builder Camp
- Maps, Schedules, Contact Information
- Resources for Camp Activities
- AWS Alexa Skills Certificate Information
- Stay Connected
- Zoom
- Organization Management**
- Control Panel**
- Files
- Organization Tools
- Evaluation
- Grade Center

Maps, Schedules, Contact Information

Build Content Assessments Tools Partner Content



**Camp Schedule**

**Alexa Camp Schedule**

Presented to you by the National Science Foundation & Explore Your Future Summer Camps  
from Columbus State Community College

Times/Location	Activities	Instructor(s)
<b>Monday, June 27</b>		
8:30-9:00	Check-In	Alli
9:00-10:00 - WD 306/309	Camp Expectations/Overview of Week Introductions Computer/Blackboard Access Ice Breaker	Alli
10:00-10:15 - WD 306/309	Amazon Account Setup (students can take break as they finish)	Stephanie