









Do You Want To Think Like A Computer Scientist?



“Do You Want To Think Like A Computer Scientist” events: These 2-3 hour events are hosted by Wyoming schools either during school or after school. These events are geared to promoting Computer Science (CS) within communities. The event includes various Computer Science activities such as: Coding, Computer Simulations, Computer Science Unplugged, Virtual Reality, and Makey Makey’s. Students rotate between stations every 15-20 minutes. Students are given a group color upon check in. Supplies for these events are provided to schools.

If interested in hosting an event at your school or for more information, contact Carla Hester Croff at chester@westernwyoming.edu

DO YOU WANT TO THINK LIKE A COMPUTER SCIENTIST?

	    Google Cardboard	 Makey Makey	 Binary Coding	 3D Simulation	 Computer Coding
	Cafeteria	Cafeteria	Hallway	Computer Lab	Library
5:30	<i>Red</i>	<i>Blue</i>	<i>Yellow</i>	<i>Purple</i>	<i>Orange</i>
5:50	<i>Orange</i>	<i>Red</i>	<i>Blue</i>	<i>Yellow</i>	<i>Purple</i>
6:10	<i>Purple</i>	<i>Orange</i>	<i>Red</i>	<i>Blue</i>	<i>Yellow</i>
6:30	<i>Yellow</i>	<i>Purple</i>	<i>Orange</i>	<i>Red</i>	<i>Blue</i>
6:50	<i>Blue</i>	<i>Yellow</i>	<i>Purple</i>	<i>Orange</i>	<i>Red</i>
7:10-7:30	Closure: Snacks and Prizes in the Cafeteria				

Provided by: Carla Hester Croff, Western Wyoming Community College - chester@westernwyoming.edu

Used in Sections

Below is some information on the sections for the “Do You Want To Think Like A Computer Scientist” event:

1. **Google Cardboards:** https://youtu.be/y0_QfGeBEgM - <https://vr.google.com/cardboard/>. I have attached a list of Google cardboard VRs that we use. Snow Strike VR is my favorite. We cut these and hand them out to teachers and students. We give away Google cardboards.
2. **Makey Makey:** <https://youtu.be/rfQqh7iCcOU>. We use play doh for these instead of banana’s...I have made enough banana bread in my life time (LOL).
3. **Binary Coding (Unplugged):** I have attached the handouts. Here is the video: <https://studio.code.org/s/course2/stage/14/puzzle/1>.
4. **3D Simulations:** – We will use AgentCubes at agentcubesonline.com – the code to unlock is CS4HS.
5. **Computer Coding using Code.org:** Some of the exercises we use are Flappy Bird: <https://studio.code.org/flappy/1> or MineCraft: <https://studio.code.org/s/mc/stage/1/puzzle/1> - you can have students go through these at their own pace and then pick their own games.

Equipment

- Need iPods or SmartPhones for Google cardboards. VR (virtual reality) apps need to be loaded.
- Need laptops or desktops for #4 3D Simulation. Internet connection needed.
- Need iPads with code.org app for #5 Computer Coding. Internet connection needed.
- Need at least 2 teachers or volunteers for each session to be effective.

Articles

[Teaming up with Sweetwater School District #1](#)

[Teaming up with Sweetwater School District #2](#)

[Teaming up with Sublette School District #1](#)

Implemented events at the following schools:

- Arapahoe Middle School
- Black Butte High School
- Clark Elementary
- Desert View Elementary
- Eastside Elementary
- Farson Elementary
- Monroe Elementary
- Overland Elementary

- Pilot Butte Elementary
- Pinedale Elementary
- Rock Springs Junior High
- Rock Springs High School
- Stagecoach Elementary



1 - Rock Springs High School



2 - Desert View Elementary



3 - Stagecoach Elementary