Welcome & Intro CyberPDX 2018

Bob Liebman

Ellie Harmon

co-directors

Welcome 2018 Schools

Capital HS, Olympia, WA

Lincoln HS, Portland

Oregon City HS, Portland

Grant HS, Portland

Parkrose HS, Portland

Skyview HS, Vancouver

SST/School of Science & Technology, Beaverton

St. Mary's Academy, Portland

Tualatin HS, Tualatin

Village Home Education Resource Center, Beaverton

2018 TEACHERS		
Capital	Scott LeDuc	Carrie Street
Grant	Scott Blevins	Michael Williams*
St. Mary's Academy	Alexis Lund	Liana Rae*
School of Science and Technology	Grant Fruhwirth	Wendi Wise*
Parkrose	Breanna Webb	Malynda Shook*
Lincoln	Ricardo Alonso*	Adam Bander*
Oregon City	Dave Barringer	Brian Walters*
Skyview	Chuck Collum	Larry Merryman*
Tualatin	David Ellingson	Amber Arizpe*
Village Home Education Resource Center	Travis Grail	Lorianne Schmidt

2018 faculty + staff

Lois Delcambre, CS

David Ely, CS*

Wu-chang Feng, CS

Ellie Harmon, CS*

Bob Liebman, Sociology

Michael Lupro, University Studies/Film

Tim Sheard, CS

David Pouliot, CS – Head mentor
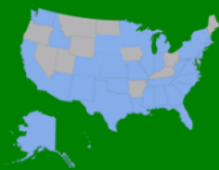
Rebecca Sexton, CS - Assessment

Bobbi Wilson, Sociology – Program Assistant*

130 camps nationwide

GenCyber Camps - Summer 2018
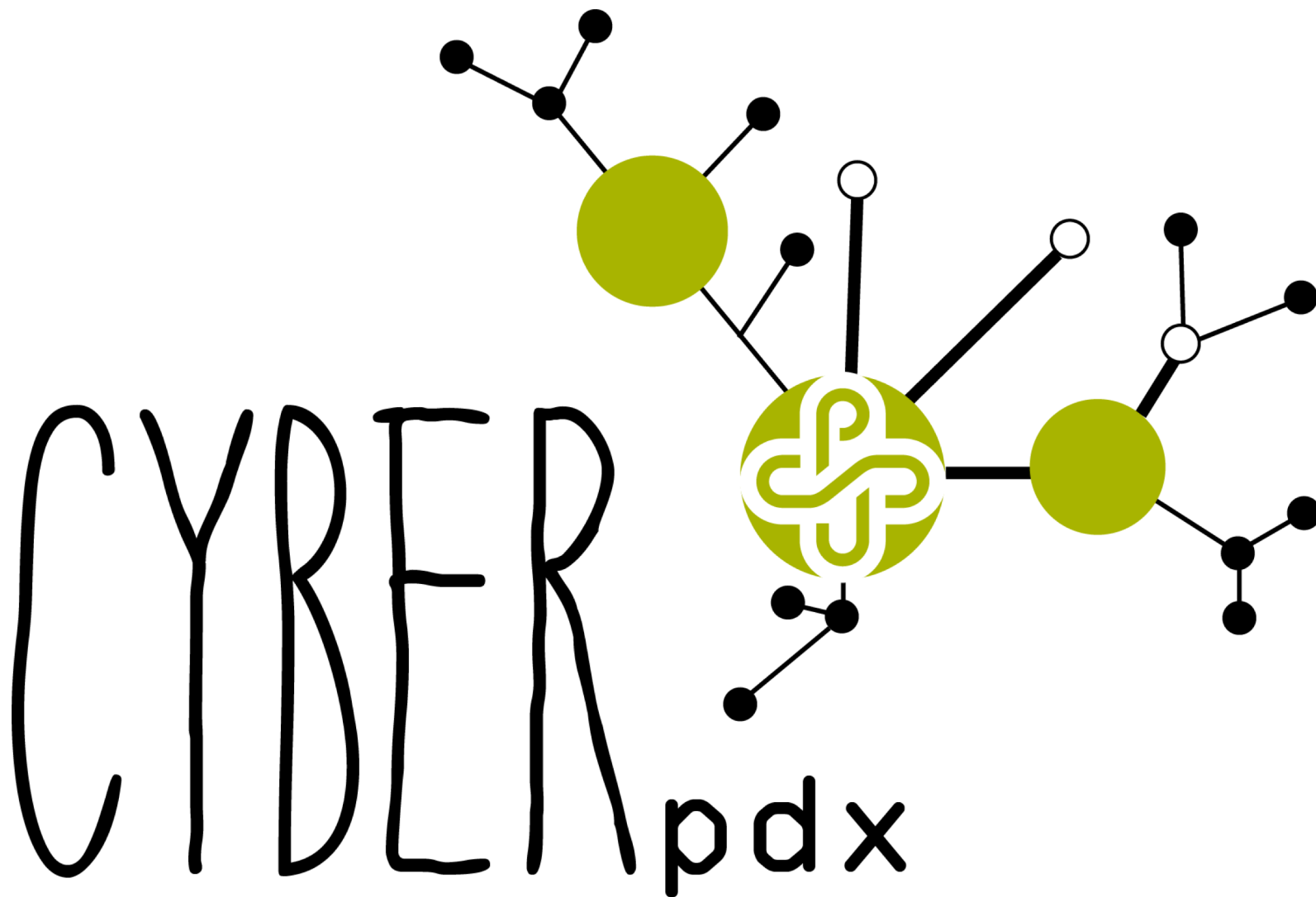
| All Camps | Student Camps | Teacher Camps | Combined Camps |

CYBER

pdx

STEM + A = STEAM
Science/Tech/Engineering/Math + Arts
Integrated/Interdisciplinary Curriculum

Programming	Crypto
CyberPolicy	Filmmaking

STEM + A = STEAM

Each school sends a STEM + Arts/Humanities/

Social Science teacher & mix of students

Talk across disciplines & schools

You have different interests & talents

What can you learn from us?

What can you learn from each other ?

WHY STEAM?

Programmers/software = 30% cyber jobs

Most cyber jobs use liberal arts skills:
- Game designers
- Graphic artists
- Data Journalists
- Intellectual Property Attorneys
- Human Computer Interaction
- Teachers
- Professors

WHY CYBERPDX?

Open cyber to all
include underrepresented groups in CS
& cybersecurity*
- Women
- People of color
- First generation students

Aim is bigger than STEM jobs

All of us need knowledge of how cyber shapes our identities, relationships, society

We are all digital citizens -
*Safe online practices

Camp philosophy

We believe that every student can succeed

We believe that students learn from other students and students learn best by teaching

Don't let teachers do your work for you; teach them how you work best

Collaboration conquers all challenges

Camp design

- projects are challenging not competitive

- teamwork encouraged

- helping/teaching others is honored
within + across teams

- feedback is quick & easy

  mentors – past campers

  office hours @ night – Ondine 2nd floor

*Best practices for teaching cyber

Welcome to campus

Today 6pm

Friday 4pm

Welcome to college!

	Mon 9	Tue 10	Wed 11	Thu 12	Fri 13
All Day					
8ᴬᴹ					
9ᴬᴹ	8:30 AM – 10:00 AM Check In [Ondine Lobby]	Icebreaker 1 [Hoffmann]	Icebreaker 2 [Hoffmann]	Icebreaker 3 [Hoffmann]	8:30 AM – 11:00 AM Crypto5 [Ondine]
		9:00 AM – 10:45 AM Crypto2 [Hoffmann]	9:00 AM – 10:45 AM Crypto3 [Hoffmann]	9:00 AM – 10:15 AM Crypto4 [Hoffmann]	
10ᴬᴹ	10:00 AM – 11:15 AM CyberPDX Overview [Ondine]			10:30 AM – 11:30 AM Programming4 [Hoffmann]	
11ᴬᴹ	11:15 AM – 12:00 PM Film 1 [Ondine]	11:00 AM – 11:45 AM Film2 [Hoffmann]	11:15 AM – 1:15 PM TeamTime/lunch [Ondine]	11:30 AM – 1:15 PM TeamTime/lunch [Ondine]	11:15 AM – 12:30 PM TeamTime/lunch [Ondine]
Noon	12:00 PM – 1:15 PM TeamTime/lunch [Ondine]	11:45 AM – 1:30 PM TeamTime/lunch [Ondine]			
1ᴾᴹ					12:30 PM Film Showcase 1 [Cinema90] / 12:30 PM Program Showcase 1 [Ondine]
	1:15 PM – 3:00 PM Crypto1 [Ondine]	1:30 PM – 3:00 PM Policy1 [Hoffmann]	1:15 PM – 2:45 PM Programming3 [Hoffmann]	Film 3 [Hoffmann]	Snack Break!
2ᴾᴹ				1:45 PM – 2:30 PM CyberSummit Mixer [Hoffmann]	2:00 PM Film Showcase 2 [Cinema90] / 2:00 PM Program Showcase 2 [Ondine]
				2:30 PM – 5:30 PM CyberSummit Rounds & Wrapup [Hoffmann]	
3ᴾᴹ	Snack Break!	Snack Break!	Snack Break!		3:15 PM – 4:00 PM Closing Survey [Ondine]
	3:30 PM – 5:00 PM Programming1 [Ondine]	3:30 PM – 5:00 PM Programming2 [Hoffmann]	3:15 PM – 5:00 PM Policy2 [Hoffmann]		
4ᴾᴹ					4:00 PM MCECS tour [Ondine] / 4:00 PM Teacher/Fac Debrief [Ondine]
5ᴾᴹ	5:00 PM – 6:00 PM Team time/dinner [Ondine]	5:00 PM – 7:00 PM Team time/dinner [Ondine]	5:00 PM – 6:15 PM Dinner [Ondine]		5:30 PM – 8:30 PM CyberPDX showcase & dinner [Hoffmann]
				5:30 PM Team time/dinner [Ondine] / 5:30 PM Site Eval All Faculty [Hoffman]	
6ᴾᴹ	6:00 PM PSU Tour [Ondine Lobby] / 6:00 PM Teacher/Fac [Ondine]	6:00 PM – 7:00 PM Teacher/Fac [Ondine]	6:15 PM – 7:30 PM Tech Professionals Night [Ondine]	6:30 PM – 7:30 PM Teacher/Fac [Ondine]	
7ᴾᴹ	7:00 PM – 9:15 PM Hidden Figures [Cinema90]	7:00 PM – 9:00 PM Film The Imitation Game [Hoffmann]			
8ᴾᴹ			7:30 PM Team time [Ondine] / 7:30 PM Teacher/Fac [Ondine]		
9ᴾᴹ	9:15 PM – 10:30 PM Team time [Ondine]	9:00 PM – 10:30 PM Team time [Ondine]			
10ᴾᴹ	Film Upload	Film Upload		Film Upload	

We are a B-4 Camp

Be Safe

Be Respectful

Be Helpful

Be Patient

Be safe

Ondine restricted access dorm

Keep track of your building/room key

If you see something, say something

Campus Emergency   503 725 4404

Housing   503-725-4336 day

                                          971-246-1599 night

Portland Police/Fire/Medical   911   (nametag)

Be respectful

Code of Conduct

Diverse students

Different learning/teaching styles

Make camp work for all

Let us know if it is not

Be helpful

Helping others from your school and other schools is key to camp

Karma Points

Icebreakers - meet other students

Mix schools often - campus tour, summit mixer

Be patient

We're all a bit new

New schools/students/teachers

New curriculum

New ways of teaching

Each camp is new creation

Times, rooms, & technology may change

Logistics

Meals @ Ondine (dietary options)

Snacks – 1 snack person

Surveys - Monday & Friday

Friday 5:30pm - Showcase/Dinner for families

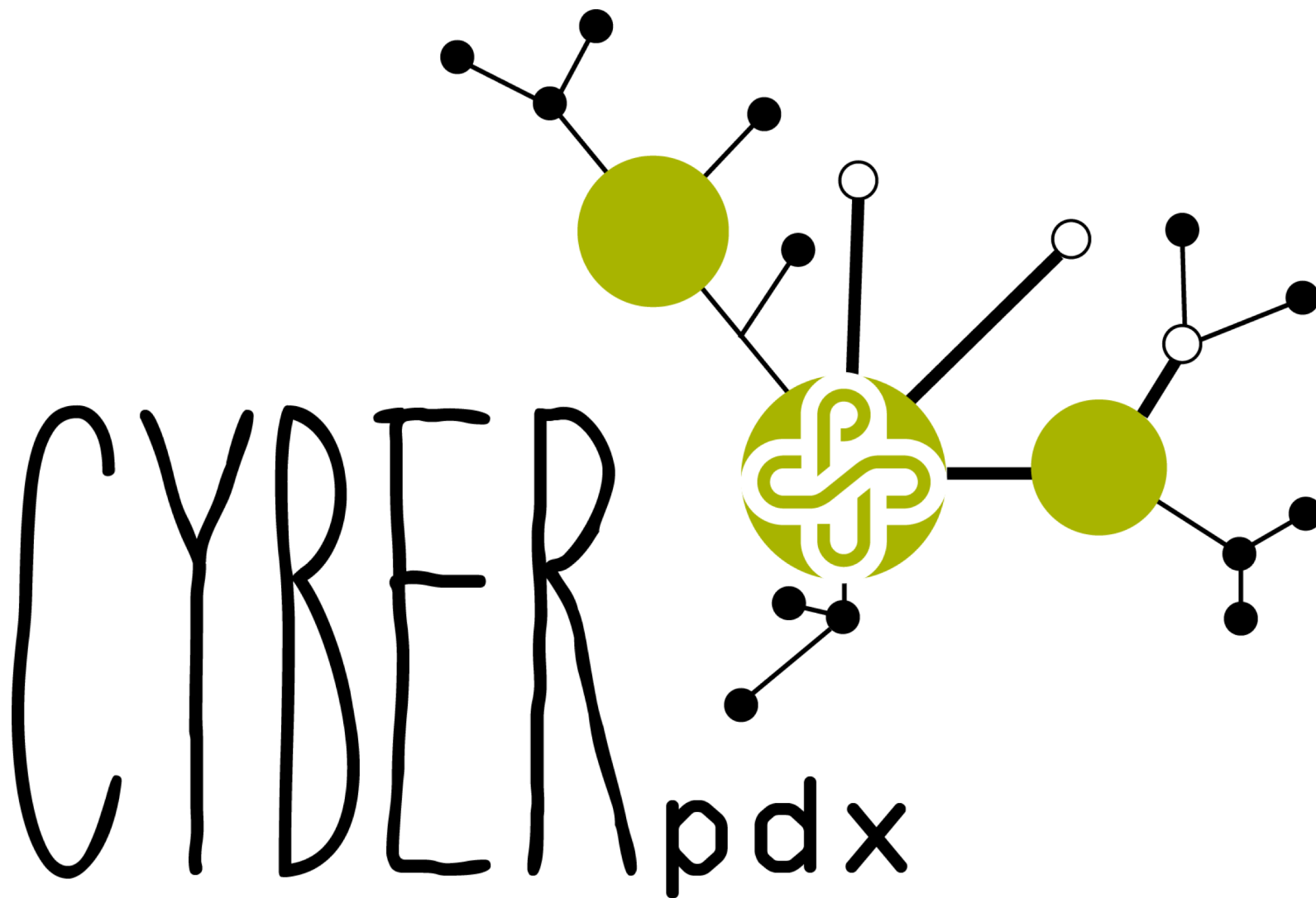Friday 8:30pm

- Return to room - get luggage & do clean-up
- Return key & laptop @ Ondine lobby

Tonight please contact family to count chicken/vegan meals for Friday showcase dinner

Thanks !!
We wish you a great week !

11:30 Teacher meeting

CYBER pdx

U.S. officials say Russian government hackers have penetrated energy and nuclear company business networks

The National Security Agency campus in Fort Meade, Md. (Patrick

NSA's 10 Principles

- Domain Separation
- Process Isolation
- Resource Encapsulation
- Modularity
- Least Privilege

- Abstraction
- Data Hiding
- Layering
- Conceptually Simple
- Minimization

Post-Pilot

Confidentiality, Integrity, Availability