Welcome

Project Login presentation at Maine Counseling Association Conference
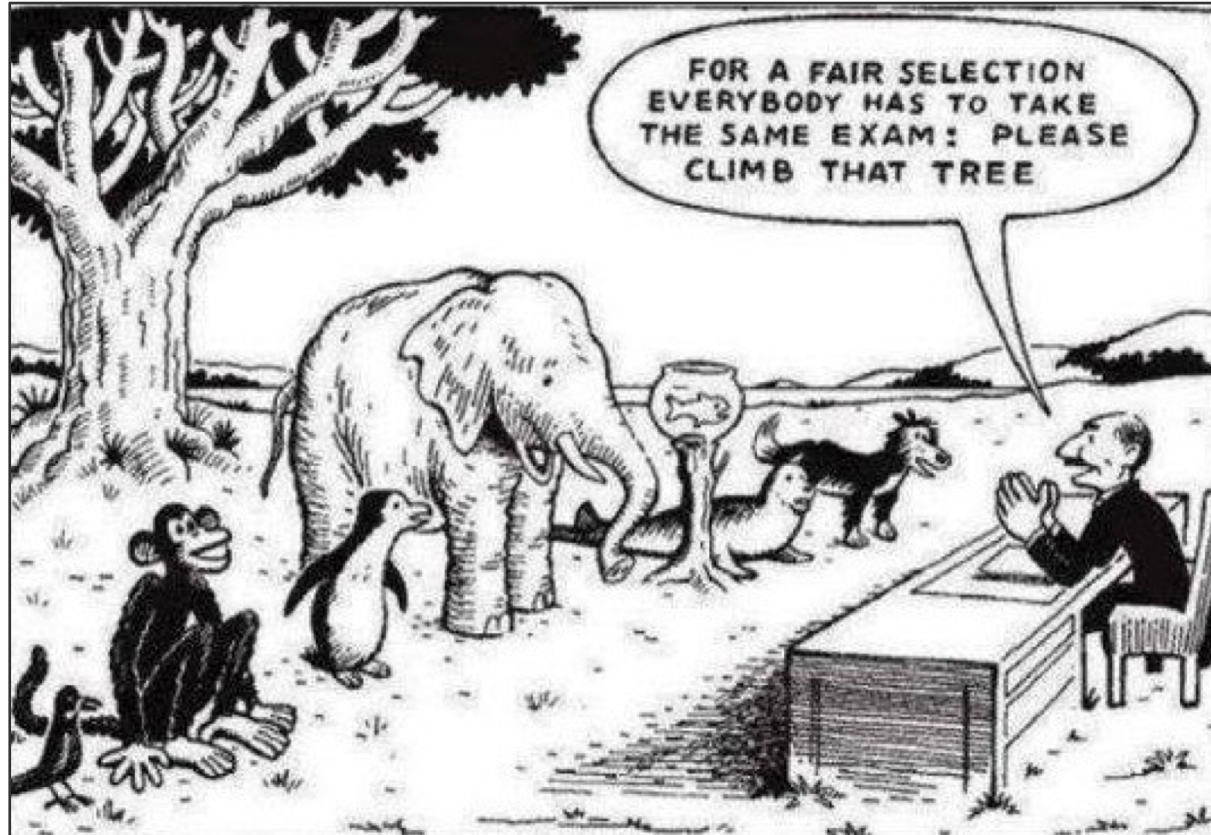
April 3, 2023

Agenda

- Introductions
- Computer Science Education in ME
- [Slido Poll](#)
- Equity video (next slide)
- Conversation around CSforALL
- Unplugged - do activity
- Slides & Information about SLP
- Questions?

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[Equity in Computer Science Education](#)

Do Now Activity: Algorithmic Thinking

V	N	Y	B	K	G	S
R	O	R	A	N	G	E
E	T	R	N	X	W	P
L	A	E	A	L	K	A
P	M	H	N	W	M	R
P	O	C	A	X	B	G
A	T	N	O	M	E	L

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APPLE
BANANA
CHERRY
GRAPES
LEMON
ORANGE
TOMATO

Write a series of steps for a robot to find the words in the word search. The robot has the following rules:

1) It can only look at one letter at a time in the grid.
2) It can only compare to one letter in one word at a time.
3) It can remember some things if you tell it to.

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CsforALL

Code.org's Equity in AP CS Principles Program

2023-24 School Leadership Program Cohort

EDUCATE MAINE

OUR MISSION

Every student in **every school** has the opportunity to learn computer science.

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Program Information

Program Information

What is Computer Science Principles?

What is the Equity in AP CS Principles Program?

Which regions are involved?

Computer Science Principles (CSP) is a semester- or year-long course that introduces students to the **foundational concepts of computer science** and challenges them to explore how computing and technology can impact the world.

The course is intended for grades 9, 10, 11, & 12 and can be taken for AP credit.

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What is Computer Science Principles?

What is the Equity in AP CS Principles Program?

Which regions are involved?

The Equity in AP CS Principles Program is designed to support administrators, counselors, and teachers in **successfully launching their first year of offering AP CSP** at their school. This program has specific tracks for:

- Administrators
- Counselors
- Teachers

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Program Timeline

Administrators & Counselors

Summer 2023
Monday, July 10th

SY 2023-24

Summer Intro Workshop
5 Hours, Virtual

Quarterly Call #1
1 Hour, Virtual

Quarterly Call #2
1 Hour, Virtual

Quarterly Call #3
1 Hour, Virtual

Quarterly Call #4
1 Hour, Virtual

- What is computer science?
- Build a shared vision with your school team
- Plan for school year rollout

Supporting Teachers & Students

September 19th, 2023, 4 PM ET

Recruiting Students for Year 2

December 15th, 2023, 4 PM ET

Preparing for the AP Exam

February 27th 2024, 4 PM ET

Reflecting & Planning for Year 2

April 16th, 2024, 4 PM ET

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Program Timeline
Teachers

Summer 2023

SY 2023-24

| Summer Workshop *5 Days* | Academic Year Workshop #1 *8 Hours* | Academic Year Workshop #2 *8 Hours* | Academic Year Workshop #3 *8 Hours* | Academic Year Workshop #4 *8 Hours* |

- Units 1, 2, and 3
- Key CS concepts & pedagogy
- Building inclusive classrooms
- The AP Exam

- Unit 4
- Group & independent work

- Units 5 & 6
- Using data in programming

- Units 7 & 8
- AP exam preparation

- Unit 9 & 10
- AP exam preparation

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Program Timeline
Students

SY 2023-24

| Unit 1 Digital Information | Unit 2 The Internet | Unit 3 Intro to App Design | Unit 4 Variables, Conditionals, Functions | Unit 5 Data |

| Unit 6 Lists, Loops, Traversals | Unit 7 Parameters, Return, Libraries | Unit 8 Cybersecurity & Global Impacts | Unit 9 AP Exam Prep | Unit 10 Algorithms |

AP EXAM
May 2024

Note: The Code.org CS Principles curriculum is a fully-comprehensive resource that prepares students for success on the AP Exam. We are a an endorsed curriculum provider by the College Board.

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Program Information

What is Computer Science Principles?

What is the Equity in AP CS Principles Program?

Which regions are involved?

This Equity in CS Principles Program aims to serve schools from typically underrepresented and rural regions. To that end, the following regions and Regional Partners are currently involved:

- **Alaska**, Alaska Staff Development Network

- **Kentucky**, Kentucky Science and Technology Corporation

- **Maine**, Educate Maine

- **Nebraska**, University of Nebraska

- **New Mexico**, New Mexico CS Alliance

- **Texas**, The University of Texas at Austin

- **West Virginia**, West Virginia University

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Program Benefits

Provides **community and systems of support**

Builds capacity for understanding **the utility of CS education as a benefit to all students**

For states where CS credits are required for graduation, **provides a plan for intentional support to guide success**

Develops strategies for **enrolling more diverse students in CS education** and **setting students up for success on AP exams**

Increases **student admissibility into college and university**

Free Professional Learning opportunities for teachers, counselors, and administrators

Visibility to state educational leadership

Program Expectations

Program Expectations

- Administrator and counselor **attendance & participation at all five workshops**.

- An **AP CSP course is on the master schedule** for the '23-'24 school year.

- **A minimum of one teacher** at the school is enrolled in Code.org professional learning program for CS Principles during '23-'24.

- Progress has been made towards increasing **representative enrollment in the AP CSP class** for the next academic year ('24-'25). This means that the demographic makeup in the class reflects the demographic makeup of the whole school.

- **All students** enrolled in the class **have taken the AP exam**.

Note: Items highlighted in **purple** are **required** for participation in the program.

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How to Enroll

How to Enroll

1. Indicate interest by enrolling in the Equity in AP CS Principles Program and registering for the July 10th Introduction Workshop.
2. The link for this workshop should be sent to you by your Regional Partner.

1. Ensure that a teacher in your school has applied for the AP CS Principles Professional Learning Program

Questions?

Contact *Angela Oechslie* at *angela@educatemaine.org* or *207-217-0096* for additional information.

Thank you!

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