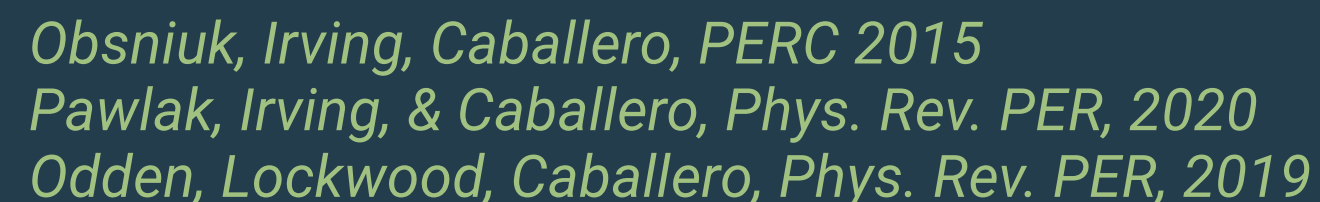
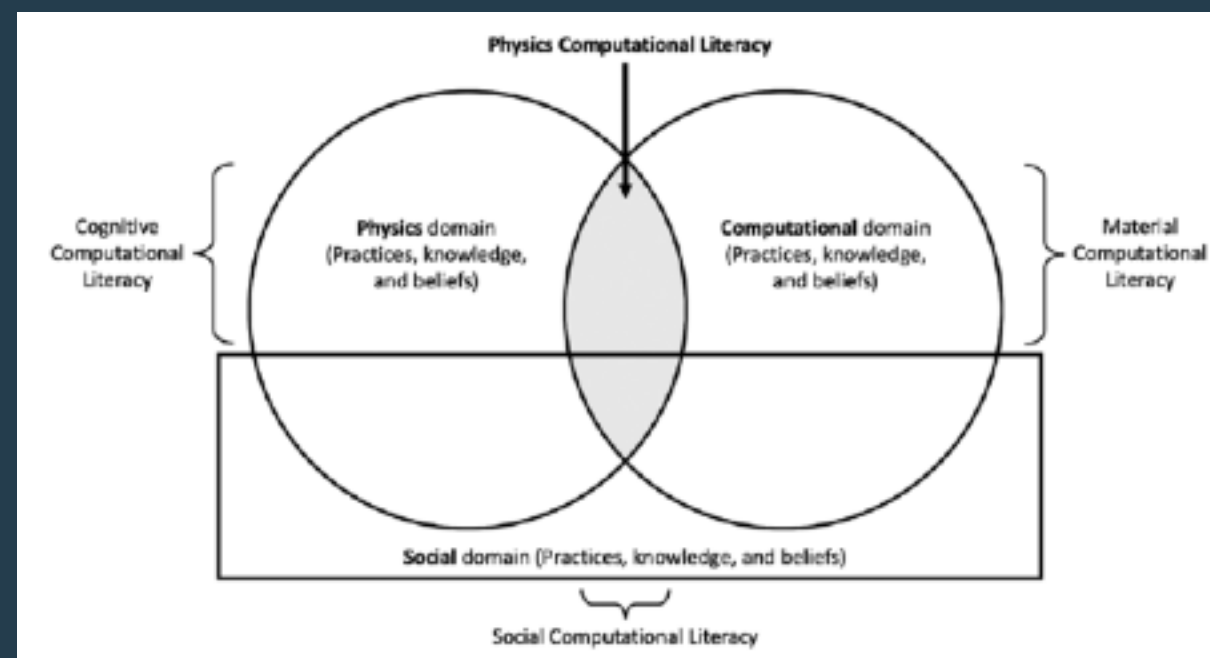


research



faculty learning community



community engagement

department-wide efforts

Caballero & Hjorth-Jensen, 2018

[illegible]

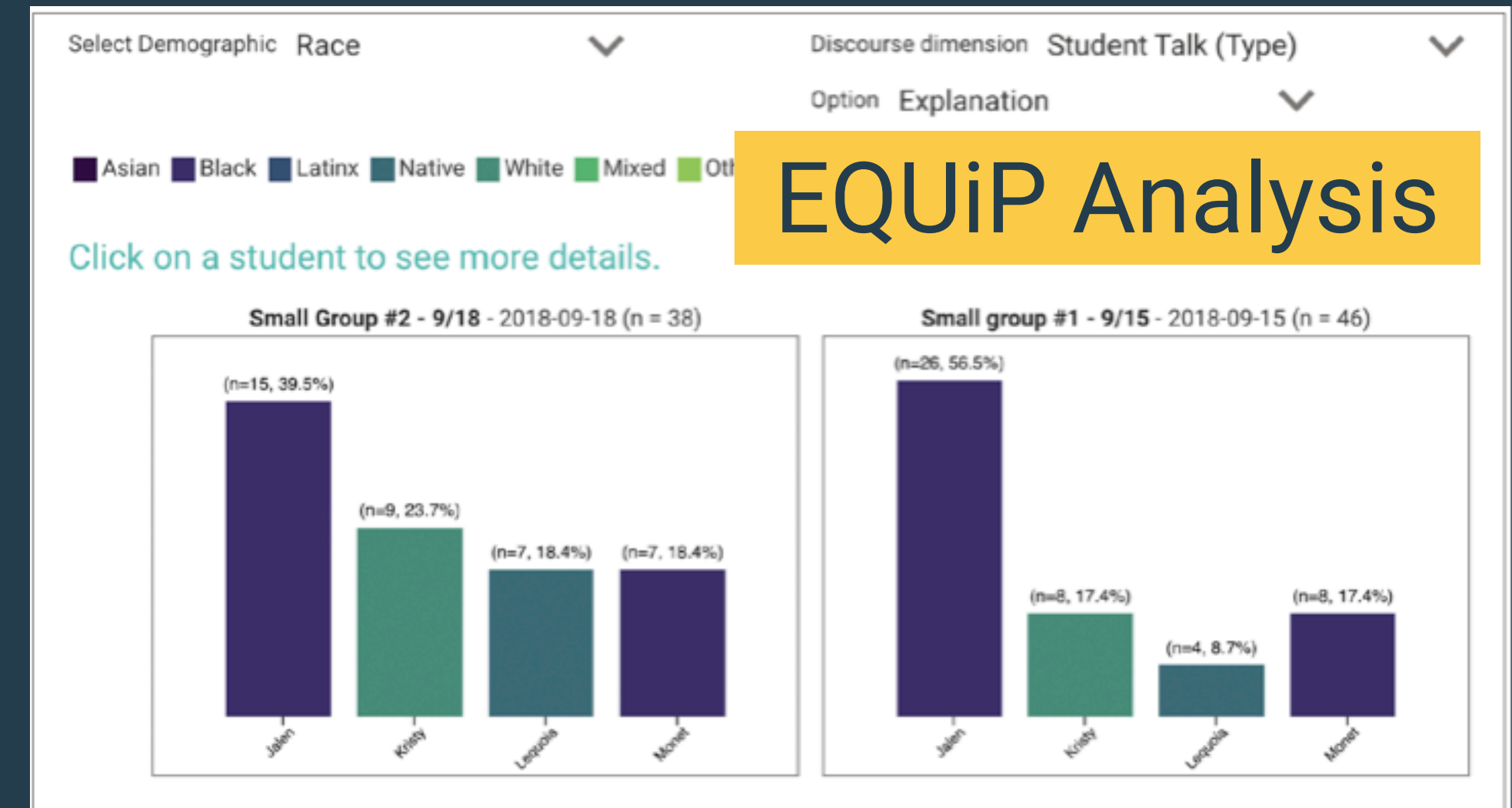
supporting pre-college physics educators



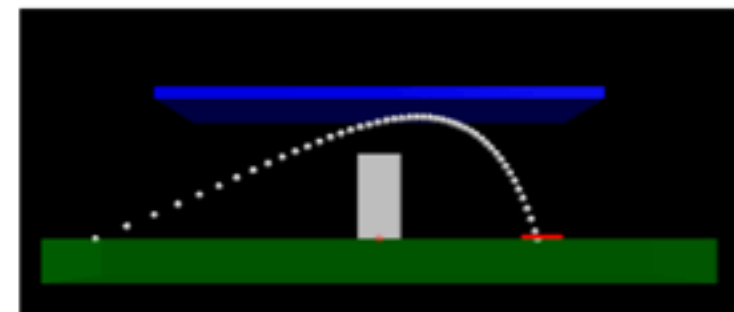
create a **computational model** to calculate...

use mathematical and/or **computational representations** to support explanations of factors...

use mathematical or **computational representations** to predict the motion...



Marshmallow Launch



Activity Information

Learning Goals

- Create and modify a computational model to describe a given system
- Use Newton's second law to relate the acceleration of a marshmallow with the forces acting on it ([HS-PS2-1](#))

<https://www.msuperl.org/wp/icsam/>
Weller, et al. Phys Rev PER 18.2 (2022): 020106.

teacher
developed
computing
activities

Willison, et al. 2022 PERC Proc.
Stroupe, David, et al. ICLS 2022.
Hamerski, Patti C., et al. Phys Rev PER 18.2 (2022): 020109.



equip.ninja
Christensen, et. al. TPT 60.6 (2022): 414-418.