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## Back-to-School Summit

August 5, 2019

8:00am - 11:00am \*\*\* LUNCH (11-12) \*\*\* 12:00pm - 3:00pm

**Lunch provided! - Order link provided to those registered**



# AGENDA

## Biology: Room Gym

ASIM, ACOS, & 5E overview

**ACOS Standards:** General Intro. P. 5-6

### M27Cell Event

Study cellular events that lead to seed germination; measure viability using a biochemical test; design experiment to investigate how biochemical pathways are disrupted; review interactions of osmosis, diffusion, enzyme activity, DNA transcription and translation, hormone function, RNA and protein synthesis & respiration.

### M3CompCel

Use a primary document, microscope micrographs, & lab investigation data to observe bacteria, plant and animal cells; differentiate cell types by their structures and organelles; Construct a Venn Diagram comparing and contrasting bacteria, plant, and animal cells; write an evidence-based interrelationships description of cell structures; Analyze case studies to describe the function and diversity of structures and organelles in cell types

**Standards:**

Biology: 6  
Env. Sci. 2,9

**Standards:**

Biology: 2

## UATiM: Room 1040

### Engage Your Science Students in a Wild GooseChase!

Gamified learning experiences have been shown to increase student engagement and motivation. In this session, rather than be taken on a wild goose chase, you will learn how to gamify your science classroom using GooseChaseEDU, a technology tool that makes it easy to create and manage educational scavenger hunts. Participants will need a smartphone or tablet for this immersive game-based learning experience.

**Standards:** DLCS 11, 25-27

### Using Video to Enhance Student Engagement

Video is one of most engaging tools for students of today. From YouTube to Netflix, today's students have grown up in a world where video is available instantly and on any device. In this session, participants will learn innovative methods and easy to use tools to incorporate video into teaching & learning strategies in the classroom.

**Standards:** DLCS 11, 25-27

## Physics: Room 1033

### Measurement

Use various measuring devices to collect, organize & present data-use collected data to solve a problem.

**Standards:**  
Gen. Intro. P. 5-6  
Overview p. 42

### Analyzing Motion Using Graphs

Using multiple data representations to analyze and interpret the motion of an object.

**Standards:**  
Physical Sci.: 7  
Physics: 1

### Horizontal Friction

An investigation into friction, force, and coefficient of friction.

**Standards:**  
Phys. Sci.: 8  
Physics: 2b

## Chemistry: Room 1044

### Activity/Experiment

### ACOS Standards

ASIM, ACOS and 5E overview

General Intro. P. 5-6

Tools for Understanding Matter

Grades 9-12 overview p.42

Charles Law

2

Evidence of Chemical Reactions

5