IMSA 19-19-19 COVID-EO SERIES
WE WILL BEGIN MOMENTARILY
START TIME: 19:00 (7:00 PM)
Cutting the ‘Content’ Cord: Where Do We Want Students to Be in the Fall?

Cassandra Armstrong
Curriculum Writer and Professional Development Specialist
Illinois Mathematics and Science Academy (IMSA)
HOUSEKEEPING

• All participants are muted and video is turned off.
• Please type questions in the chat box and they will be answered following the presentation.
• If you have follow-up questions, please make an appointment with one of IMSA’s “Ask a Specialist” experts. This is a one-on-one Zoom session with an expert in your grade level and field of discipline.

https://www.imsa.edu/educator-development/e-teaching-resources/
Who is IMSA? The Illinois Mathematics and Science Academy, or IMSA, is a three-year residential public secondary education institution in Aurora, Illinois, with an enrollment of approximately 650 students. Enrollment is generally offered to incoming sophomores, although younger students who have had the equivalent of one year of Algebra and a 9th grade science equivalent are eligible to apply. All applicants undergo a competitive admissions process. Due to its nature as a public institution, there are no charges related to tuition, room and board; however, there is an annual student fee which may be reduced or waived based on family income. IMSA has been consistently ranked by Newsweek as one of the top ten high schools in the country for math and science, and some of its graduates have moved on to become leaders in a variety of fields. It is the top-rated public high school in Illinois on Niche.com.

Mission: To ignite and nurture creative, ethical, scientific minds that advance the human condition.

Who is the IMSA Center for Teaching and Learning? IMSA offers professional development sessions on mathematics, science, technology, and pedagogy for pre-service and in-service educators and administrators. These professional development opportunities align with IMSA's signature strategy of learning: Inquiry-Based, Problem-Centered, Competency-Driven and Integrative. Professional learning opportunities include events held at IMSA, sessions presented at conferences, and workshops delivered in schools across the state and beyond. Educator workshops can be customized to meet any school's specific needs.
Learning objectives for this webinar:

- Identify the main components of executive functioning
- Analyze how e-learning may impact executive functioning skills
- Explore some organizational tools for e-learning
Executive Functioning Skills

Planning is the ability to figure out how to accomplish our goals.

Time Management is having an accurate understanding of how long tasks will take and using time wisely and effectively to accomplish tasks.

Working Memory is the mental processes that allow us to hold information in our minds while working with it.

Self-Control is the ability to regulate yourself, including your thoughts, actions, and emotions.

Perseverance is the ability to stick with a task and not give up, even when it becomes challenging.

Organization is the ability to develop and maintain a system that keeps materials and plans orderly.

Task Initiation is the ability to independently start tasks when needed. It is the process that allows you to just begin something even when you don't really want to.

Metacognition is being aware of what you know and using that information to help you learn.

Attention is being able to focus on a person or task for a period of time and shifting that attention when needed.

Flexibility is the ability to adapt to new situations and deal with change.
WHICH SKILLS MAY BE MORE EFFECTED BY E-LEARNING?

METACOGNITION & SELF-CONTROL

Source
WHICH SKILLS MAY BE MORE EFFECTED BY E-LEARNING?

TIME MANAGEMENT
WHICH SKILLS MAY BE MORE EFFECTED BY E-LEARNING?

PLANNING & ORGANIZATION

Source
 WHICH SKILLS MAY BE MORE EFFECTED BY E-LEARNING?

TASK INITIATION & PERSEVERANCE
LOCATION OF THIS PRESENTATION AND RECORDING:

HTTPS://WWW.IMSA.EDU/EVENTS/

ATTENDEE SURVEY:

HTTPS://BIT.LY/191919SURVEY
PLEASE JOIN US FOR OUR UPCOMING “19 MINUTE” WEBINARS:

• 4/22: USING A TECH TOOL TO TEACH ABOUT THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS (UNSDGS), DR. RICHARD SCHULTZ

• 4/23: THE ART OF STORYTELLING WITH A CREATIVE TOOL, DR. RICHARD SCHULZ
CASSANDRA ARMSTRONG  
ILLINOIS MATHEMATICS AND SCIENCE ACADEMY  
CURRICULUM WRITER AND PROFESSIONAL DEVELOPMENT SPECIALIST  
CARMSTRONG@IMSA.EDU

Make an “Ask A Specialist” appointment:  
https://www.imsa.edu/educator-development/e-teaching-resources/