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# EDUCATING TODAY'S YOUTH -- ENVIRONMENTAL EDUCATION CYCLES

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# PRESENTATION DRIVING QUESTION:

What trends in formal education can informal educational experiences incorporate into SOL based programs?



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# OBJECTIVES:

- ◉ Introduce Maymont, An American Estate
- ◉ Identify several trends in pedagogy
- ◉ Discuss trend applications for informal educational experiences
- ◉ Engage in models of incorporated trends
- ◉ Q and A



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- 100 acre outdoor classroom
- Approximately 500,000 annual visitation
- 40,000+ participants in EE programs with 18,000+ in school field trips



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# Let's play Kahoot!

How to play:

- Teams of 4-10 people
- Questions and answers will be displayed on the wall, but teams will use the device to answer
- <https://kahoot.it/>
- Code will be given
- Teams will have 60 Seconds per question to answer



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# SURVEY!

creativity Inquiry-based  
project based flipped classroom  
**LEARNING** personalized  
blended  
student driven  
makerED  
STEM  
place-based  
Augmented and virtual  
reality



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# SIMILARITIES BETWEEN TRENDS

- ◎ Authenticity in Learning
  - Inquiry
  - Action
- ◎ Students are Creators, not Consumers
- ◎ Teachers' role has changed to facilitator and/or coach
  
- ◎ <https://www.skyward.com/discover/blog/skyward-blogs/skyward-executive-blog/december-2016/3-conversations-to-follow-in-2017>

# REPTILE ENCOUNTER

- ◎ Pre-school to Grade 12
  - ◎ Standards of Learning
    - Five senses for observations
    - Animals have basic needs - food, water, shelter, space (habitat)
    - Animal Life cycles, Habitats and Seasons
    - Animal Adaptations, Food Chains, Animal life cycles
    - Animal Adaptations
    - Physical Adaptations for Classification
    - Classification of Organisms
- Demonstration of STEM



# BIOBLITZ AT MAYMONT

- ◉ Driving Question

- What biodiversity can be found on the grounds of Maymont?

Ways to engage students throughout the project include:

- ◉ Pre-site visit:

1. Researching possible species to look for during the Bioblitz.
2. Make identification guides to help you and your peers to identify what you find as well as deciding on strategies to record your findings on the grounds.

- ◉ During the event:

3. When possible, take pictures of the organisms.

- ◉ During and after the event:

4. Upload pictures to Maymont's iNaturalist project, [www.inaturalist.com](http://www.inaturalist.com).
5. Organize the information in a format to present your findings, including an online format for Maymont visitors to access and assist them in looking for wildlife beyond the exhibits.

# THANK YOU FOR COMING!

- ◉ Reception in the Garden Hall at 4:00pm.

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