A stylized landscape illustration featuring rolling green hills, a blue sky with wavy bands, a red bird, a green tree, a purple flower, and an orange butterfly.

Creating MWEE programs based on the VA Standards of Learning

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Workshop Road Map

1. Introductions & Workshop Overview
2. VA Science Standards of Learning (SoL) & Curriculum Framework
3. Identifying SoL that connect/align with MWEE
4. Framing a MWEE program aligned with the Science SoL
5. Wrap up & Next Steps

What is a MWEE?


A learner-centered experience that focuses on investigations into local environmental issues that lead to informed civic engagement

- 1. Issue definition**
- 2. Outdoor field investigations**
- 3. Action projects/Civic engagement**
- 4. Issue synthesis, conclusions, & communications**

Virginia SOL

- SEPs: Science & Engineering Practices SoL x.1
- Content Standards SoL x.2 to....

Virginia Curriculum Framework

- SEPs: Indicated by a leaf icon 
- Details for each content standard:
 - ❖ Central Idea
 - ❖ Vertical Alignment: what students have been taught in earlier grades & will be taught in later grades (grade level connections)
 - ❖ Enduring Understandings: key concepts & big ideas that students learn
 - ❖ Essential Knowledge & Practices: what students should know & be able to do related to the standard



Grade Levels we will examine (7 groups)

- Grade 3
- Grade 4
- Grade 5
- Grade 6
- Grade 7
- HS: Environmental Science
- HS: Biology



SoL & MWEE Connections

Examine the Science SOL for your grade level or course

What science content standards could support a MWEE?

What SEPs can you incorporate into a MWEE?



Grade Level Group Activity

Developing a MWEE Program

Identify connections between science concepts, SEPs, & EE supported MWEE field experiences.



MWEE Program Outline

What is the activity and/or investigation? (brief description)

Target SoL (content & SEPs)

How does this activity align with the SoL listed?

Summary:

What have we learned today?

What will be my/our next steps for developing MWEE program aligned with VA Science SOL?

Questions????



Thank you!

We'd love to continue this learning with you.

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