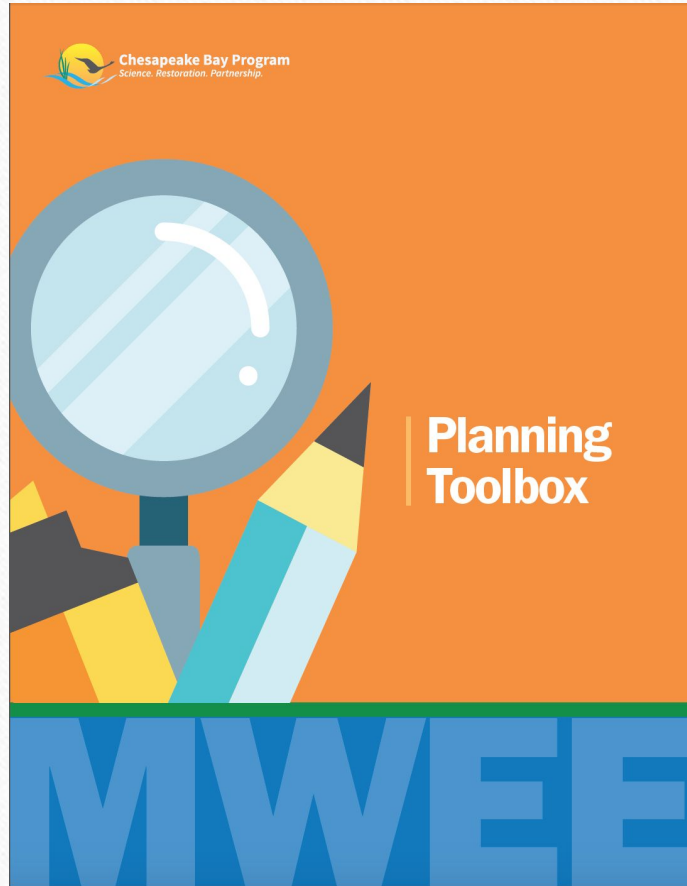


Meaningful Watershed Educational Experiences

Designing and Implementing a MWEE

2017 Environmental Literacy Forum

Session Goal/Outcome

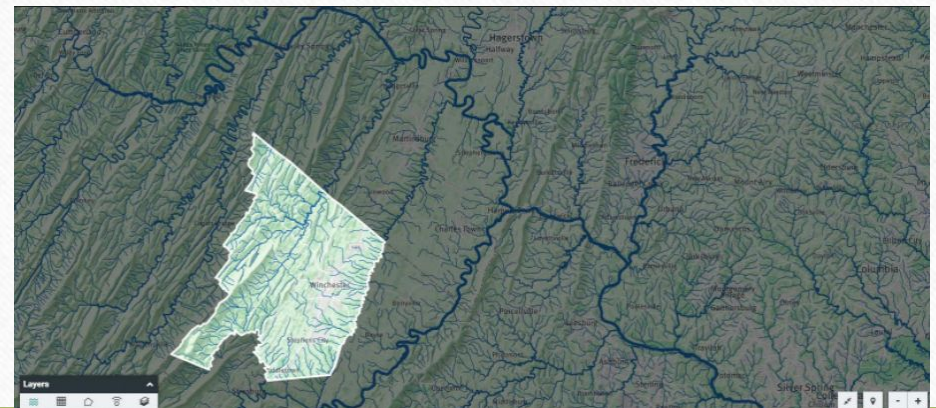
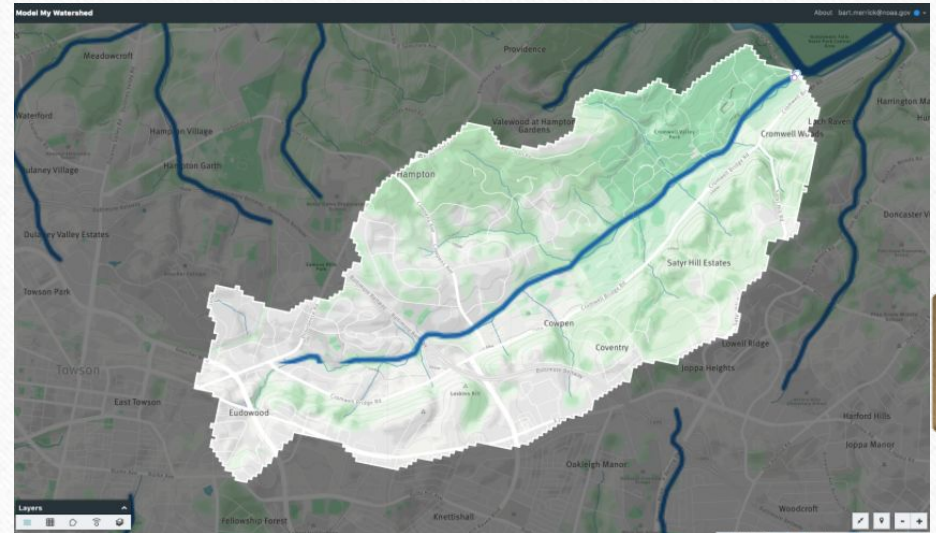


- MWEE Ambassadors are aware of resources available in the MWEE Guide and comfortable/skilled using these resources
- MWEE Case studies serve as examples of approaches to planning and carrying out MWEEs
- Planning Toolbox as a resource for communicating about MWEEs

Local Context - Maps

Working in small groups and using the series of maps provided discuss:

- Potential phenomena, issues, driving questions
- Standards/Learning outcomes
- Opportunities for field experiences
- Potential action projects
- Approaches to synthesis and conclusions



If it is helpful use...

Designing and Implementing a MWEE - Part 1

What issues, **problems or phenomena** could be explored in this area?

What opportunities for **outdoor field based experience** may exist in this area?

What opportunities for **synthesis and conclusions** could be applied in this area?

What are some questions you have about this area?

What are some potential **actions** that could be take to address issues, problems or understanding of phenomena in this area?

What standards/learning outcomes/performance expectations could be addressed in this area?

What Came to Mind...

- Potential phenomena, issues, driving questions
- Standards/Learning outcomes
- Opportunities for field experiences
- Potential action projects
- Approaches to synthesis and conclusions

MWEE Case Study

- Learn about a model for the development and implementation of a MWEE
 - The Who, What and How
 - Samples for the application of planning tools
- We will be using our understanding of the case study to apply the MWEE Audit Tool so listen/look for evidence of:
 - Classroom Integration
 - Outdoor Field Experience
 - Synthesis and Conclusions
 - Sustained Activity
 - Local Context
 - Action Projects
 - Active Teacher Support

MWEE Audit Tool

This audit tool is designed to help you strengthen your planned or existing project to meet the full definition of a MWEE as defined in the 2014, Chesapeake Bay Watershed Agreement. It will help you assess the degree to which your project already contains the MWEE elements. A low score DOES NOT mean that your project is wrong or bad!

Classroom Integration	Score
MWEEs are anchored to formal goals for learning and student achievement. They provide authentic, engaging opportunities for interdisciplinary learning that crosses traditional boundaries between disciplines. Some portions of the experience, such as the outdoor field experiences, may occur off school grounds and/or be facilitated in partnership with external providers, however, the MWEE should be fully integrated into the scope and sequence of the academic program.	
The primary academic standards and/or learning objectives are clearly defined. Multi-disciplinary objectives are encouraged. <i>(Score 0 if not clear; Score 2 if clearly defined and connected to the issue.)</i>	0 2
The MWEE clearly supports the identified academic standards and/or learning objectives. <i>(Score 0—does not support the identified standards and/or learning objectives; Score 2—at least part of the MWEE (i.e. the issue investigation or action projects) clearly supports the identified standards and learning objectives; Score 4—all parts of the MWEE clearly and explicitly support the identified standards and learning objectives.)</i>	0 2 4
The core ideas and practices of multiple disciplines are clearly defined and integrated into the MWEE. <i>(Score 0 if one discipline is clearly defined; Score 2 if one or more disciplines are clearly defined.)</i>	0 2
Subtotal	___/8

CRITERIA

Less than or equal to 2: Your project needs to have a clearer connection with academic standards and/or learning objectives to be a MWEE. Don't be discouraged; there are resources and tools to help! We suggest starting with *An Educator's Guide to the MWEE* to ensure classroom integration in your MWEE.

Between 3 and 5: There are elements of classroom integration, but it could be stronger with either (1) better support the academic standards and/or learning objectives you defined or (2) connect with other academic standards and/or learning objectives that may be more appropriately met through the MWEE. Review the sections where you did not score highly and see what you might be able to do to earn more points. Check out *An Educator's Guide to the MWEE* for help.

Greater than or equal to 6: Congratulations! There are always areas for improvement, but your project strongly supports academic standards and learning objectives.

AREAS FOR IMPROVEMENT

Audit Tool

Working in small groups apply the MWEE Audit Tool to the case study

- Based on what you heard and the materials provided look for evidence of each element in the audit tool
 - Think about/Discuss Strengths of the MWEE
 - Think about/Discuss opportunities for refinement/enhancement
- The focus of this session is gaining skill in the application of the Audit Tool

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The core ideas and practices of multiple disciplines are clearly defined and integrated into the MWEE. <i>(Score 0 if one discipline is clearly defined; Score 2 if one or more disciplines are clearly defined.)</i>	0 2
Subtotal	___/8

CRITERIA

Less than or equal to 2: Your project needs to have a clearer connection with academic standards and/or learning objectives to be a MWEE. Don't be discouraged; there are resources and tools to help! We suggest starting with *An Educator's Guide to the MWEE* to ensure classroom integration in your MWEE.

Between 3 and 5: There are elements of classroom integration, but it could be stronger with either (1) better support the academic standards and/or learning objectives you defined or (2) connect with other academic standards and/or learning objectives that may be more appropriately met through the MWEE. Review the sections where you did not score highly and see what you might be able to do to earn more points. Check out *An Educator's Guide to the MWEE* for help.

Greater than or equal to 6: Congratulations! There are always areas for improvement, but your project strongly supports academic standards and learning objectives.

AREAS FOR IMPROVEMENT

Thoughts on your practice with the Audit Tool

MWEE Planning Tools

Individually or in small groups:

Lots of experience with Developing and Implementing MWEEs:

- Using your programming as the context practice using the ELM Planning Document
- Think about how your programs (current or planned) addresses or could address the items listed in the ELM Planning Document

Newer to Developing and Implementing MWEEs:

- Thinking about programming you are developing, supporting or have witness practice using:
 - MWEE Think Cloud
 - Developing Driving Questions

Thoughts on your practice with the Planning Tools