BIENNIAL STRATEGY REVIEW SYSTEM Chesapeake Bay Program



Logic and Action Plan: Post-Quarterly Progress Meeting

[Student Outcome] - [2021-2022]

Long-term Target: Continually increase students' age-appropriate understanding of the watershed through participation in teacher-supported, meaningful watershed educational experiences and rigorous, inquiry-based instruction, with a target of at least one meaningful watershed educational experience in elementary, middle and high school depending on available resources. **Two-year Target:** Not established.

| Factor | Current Efforts | Gap | Actions | Metrics | Expected Response and Application | Learn/Adapt |
|---|--|---|--|--|--|--|
| What is impacting our ability to achieve our outcome? | What current efforts are addressing this factor? | What further efforts or information are needed to fully address this factor? | What actions are essential (to help fill this gap) to achieve our outcome? | What will we measure or observe to determine progress in filling identified gap? | How and when do we expect these actions to address the identified gap? How might that affect our work going forward? | What did we learn from taking this action? How will this lesson impact our work? |
| State Education Agency Leadership for Environmental Literacy | Attempting to gain support for focuses PSC agenda on formal education at least once every 2 years; Encouraging high level support within state education agencies; Maintain adequate staffing to drive MWEE implementation | High level engagement from state DOEs | 3.1, 3.3 See also Environmental Literacy Planning | No | On-going maintenance of partnerships. Turn over in these positions would require increased effort. | |

| Legislation and Policy | MD graduation requirement; DC Healthy Schools | In some states there are no state-level policy drivers (WV, | See Environmental Literacy Planning | No | On-going and incremental but sharing across states |
|--|--|--|---|--|---|
| Toney | Act; ELIT survey | NY, DE) | | | will be critical to move work forward. |
| Local Education Agency Implementation of MWEEs (with partners) | Use ELIT to track MWEEs and other environmental literacy needs | Urgency at the school district level to conduct MWEEs; Accountability measures; Supportive policies | 3.1, 3.2, 3.3 See also Environmental Literacy Planning | Yes. ELIT survey collects data and demonstrates self-reporting of where MWEEs are occurring. | ELIT survey results come in every other year. Districts that demonstrate one MWEE in each grade-band on the ELIT survey will serve as models for others. |
| Education Reform/Curriculum Alignment | Work with states and school districts to integrate MWEEs into curriculum to reduce perceived burden | Understanding that MWEEs are not add-ons | 1.1, 1.2, 1.3, 1.4, 2.1, 2.2 | Yes. ELIT tracks districts that have MWEEs integrated into curriculum | ELIT survey results come in every other year. Districts that demonstrate sustainability with one MWEE embedded into the curriculum in each grade-band on the ELIT survey will serve as models for others. Funding will be allocated to different geographies. |
| Funding/Staffing | Pursue private and innovative funding | Adequate funding for teacher training, transportation, and action projects. Also capacity building of school districts and their partners in some regions. | See Environmental Literacy Planning | No | Diversified funding will enable current funds to be leveraged for increased impact and sustainability. Innovative funding will enable a focus on under-resourced districts. |
| School community (teachers, | Train-the- trainer model using the Facilitator's Guide | Principals (administrators) | 1.1, 1.3, 1.4, 2.1, 2.2, 2.3, 3.2, 3.3, See | No | School district-by- school district basis. |

| principals, staff) awareness and readiness | to ensure effective professional development of teachers who can design more and better MWEEs; Promote online training and maintain resources on Bay Backpack | need to encourage MWEEs and support teachers/staff in receiving training. Facilitators of MWEE training need to be well- versed in MWEE approach and best practices. | also Environmental Literacy Planning | | Sustainability and long-term support for professional development should be built into Environmental Literacy Plans. | |
|--|--|--|--|----|--|--|
| State agency and partner coordination | Ensure that there are staff to drive MWEE development and implementation; Maintain interagency state workgroups | Enhanced collaboration; sharing of best practices across states and partners | 1.1, 1.4, 2.1, 2.2, 3.2, See also Environmental Literacy Planning | No | Through regular convenings and the development of local environmental literacy networks. | |
| COVID-19 impacts on education | Support for facilitators in providing virtual MWEE professional development; promoting examples of virtual opportunities for MWEEs; sharing resources for schooling from home. | LEA support for outdoor learning during COVID, including policies that not only enable but encourage. | 1.1, 1.3, 2.3, 3.1, 3.2 | No | On-going, as school districts adopt policies or practices they should be held up as case studies. | |

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| | | ACTIONS - [2021-202 | <mark>.2]</mark> | | |
|----------|---|---|---|------------------------|---|
| Action # | Description | Performance Target(s) | Responsible Party (or Parties) | Geographic Location | Expected Timeline |
| | | mprove resources for educators (pre-se Meaningful Watershed Educational Exp | | | l) to support |
| | | Collect and highlight a series of exemplary MWEEs, ELMs, and related content on Bay Backpack | NOAA | Regional | On-going, first round compiled by Spring 2021 |
| | | Use the Bay Backpack social media to promote content on the site to educators and teachers, including training opportunities. | СВР | Regional | On-going |
| | Expand the online MWEE training hub on Bay Backpack to include resources, regional and state- | Develop google forms to solicit consistent content for various areas of Bay Backpack (lessons/activities; field sites; action projects; MWEE examples; training opportunities; etc) that include a rubric for assessing quality of lessons/activities that can be used by each state. | СВР | Regional | Spring 2021 |
| 1.1 | specific training modules, and information about in-person training opportunities. | Develop a guidance document with tools and resources for educators to evaluate MWEEs | NOAA/Consultant | Regional | Winter 2020 |
| | training opportunities. | Complete a full audit (QA/QC) of existing resources on Bay Backpack to ensure that all content is up-to-date, supportive of current state standards, and includes culturally responsive teaching and learning resources. | СВР | Regional | Winter 2020 |
| | | Twice per year, solicit content for Bay Backpack (including lessons/activities; field sites; action projects; training opportunities). Use a rubric to assess resources and have CBP post quality content on Bay Backpack. | VA (VA CBP Workgroup); DE (DE Watershed Group); WV (WV OLNI); PA (PA PDE, | VA, DE, WV, PA | December and June, annually |

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| | | | DCNR, DEP, | | |
|-----|---|---|-------------------|----------|-----------------|
| | | | Stroud, CBF) | | |
| | | Compile and share Environmental Literacy | MD (PGC); PA (PA | MD | basic by |
| | | Models and MWEEs developed through grant | PDE, CBF, Stroud) | | Dec2021, add |
| | | funded programs that work with teachers and | | | to it ongoing |
| | | entire districts, including examples that are | | | through Dec |
| | | multidisciplinary and that incorporate climate | | | 2022 |
| | | change. | | | |
| | | Develop WV-specific MWEE emphasizing | WV OLNI | WV | Dec. 2021 |
| | | hands-on student-lead schoolyard watershed | | | |
| | | conservation | | | |
| | | Coordinate among partners to develop and | MD PGC | MD | basic by Dec |
| | | share widely an accessible listing of EE | | | 2021, add to it |
| | | providers and available professional learning | | | ongoing |
| | | opportunities that feature MWEEs and best | | | through Dec |
| | | practices. | | | 2022 |
| | | Support NOAA B-WET Pre-Service Capacity | NOAA | VA | Winter 2022 |
| | | Building project in VA and promote best | | | |
| | | practices across the watershed, including | | | |
| | | through a session at the Environmental Literacy | | | |
| | | Forum. | | | |
| | | Determine the feasibility of promoting | СВР | Regional | Winter 2022 |
| | Promote the inclusion of | environmental literacy requirements in natural | | | |
| | environmental literacy instruction in college-level courses, teacher | resources professional certifications (ISAL) | | | |
| 1.2 | prep programs, and professional | Conduct a review of college and university | VDOE | VA | Winter 2021 |
| | certification programs. | education programs for inclusion of instruction | | | |
| | cortinoution programs. | in conducting systemic field investigations using | | | |
| | | the school grounds, the community, and | | | |
| | | regional resources as outlined in 8VAC20-543 | | | |
| | | of Virginia Code. | | | |
| | | Meet annually with college and university | VDOE | VA | Annually |
| | | science educators to promote the instruction of | | | |

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| | field experiences aligned to the Virginia | | | |
|--|--|-------------------|--------|-----------|
| | Standards of Learning. | | | |
| | Complete the VAEE EE Certification Program | VAEE | VA | Fall 2021 |
| | design, which includes MWEE 101, and | | | |
| | promote it to environmental educators when | | | |
| | completed. | | | |
| | Convene Higher Education Institutions faculty, | MD PGC | MD | Dec 2021 |
| | K-12 educators and environmental education | | | |
| | partners regularly to coordinate on | | | |
| | environmental literacy best practices. | | | |
| | Develop guidance that aligns with the MD | MD PGC | MD | Dec 2022 |
| | Environmental Literacy Standards, for | | | |
| | consistency among Higher Education | | | |
| | Institutions on course components that include | | | |
| | teacher preparation in environmental literacy | | | |
| | content and pedagogy. | | | |
| | Engage pre-service programs to determine how | DC (OSSE); PA | DC, PA | Dec 2022 |
| | they can provide environmental education as | (PDE) | | |
| | part of their coursework (such as teaching | | | |
| | methods) with a target of 6 contact hours of | | | |
| | training in environmental education | | | |
| | Communicate professional development | PA (PDE, DEP); DE | PA, DE | Ongoing |
| | opportunities for pre-service teachers through | (DDOE) | | |
| | Teaching Green, Science Matters, SAS EE,& Ag, | | | |
| | and Science newsletters, and other STEM | | | |
| | communication channels. | | | |
| | Design and implement PD sessions to fill | PDE, IU 13 | PA | Ongoing |
| | environmental literacy, methodology, and | | | |
| | pedagogical gaps within Teacher Preparation | | | |
| | and Educational Leadership programs for | | | |
| | preservice teachers and school administrator | | | |
| | certification programs. Use NOAA ELit and PA | | | |

| | | Env Ed Capacity surveys to inform design. (Complements 1.3 actions) | | | |
|-----|---|---|--|----------------|-------------|
| | | Iteratively update the PAEE EE certification program for non-formal educators to support sound methodology and programming that is | PAEE, DCNR, DEP, PDE | PA | Ongoing |
| | | supportive of MWEEs. Maintain ongoing enrollment and review process. | | | |
| | | Create and share an alignment resource around andragogy (adult learner theory) and MWEE professional development to increase the likelihood for integrating content and | MD and VA Sea Grant | VA, MD | May 2021 |
| | | approaches into university curriculum. Compile and share best practices around student engagement in virtual programming including accessibility (Universal Design in Learning). | NOAA | Regional | Spring 2021 |
| | Support educators in adapting their practice to integrate MWEEs (in in-person, blended, and virtual | Promote and deliver high quality professional development (including virtual professional development) that is supportive of state standards and models effective use of virtual resources. | VA (VDOE); DE (DDOE and DE Watershed Group); PA (PDE, DEP, DCNR, Stroud Center); DC (OSSE) | VA, DE, PA, DC | Ongoing |
| 1.3 | contexts) through professional development | Provide K-6 Educators with Science Inquiry at Home and Science Instructional Plans, instructional support documents that include environmental literacy components to support outdoor learning experience both at home and in a blended learning environment. | VA (VDOE); DE (DDOE and DE Watershed Group) | VA, DE | Ongoing |
| | | Develop a 3-tiered, hybridized MWEE Professional Development and Instructional Model series for formal and non-formal educators that provides pedagogical support | PDE, DEP, DCNR, Stroud Center | PA | Ongoing |

| materials to help teachers move along the | | | |
|---|----------------|---------|--------------|
| spectrum from in-person to fully digital. | | | |
| Disseminate through professional development | | | |
| hosted by the NOAA Environmental Literacy | | | |
| Capacity Building Task Force and other state | | | |
| and regional partners. | | | |
| Collaborate with PA CTE, Pa AG and FFA, PDE | PDE, PDA, WETI | PA | Ongoing |
| School Services (e.g. Migrant Ed, Refuge, and | (Millersville) | | |
| 21st Century programs) to provide professional | | | |
| development and resource support to include | | | |
| MWEEs and EE Education in education | | | |
| offerings. These programs include school time, | | | |
| after school, and summer programs. | | | |
| Develop a PA-focused "Watershed Literacy | PA PDE, DCNR, | PA | January 2022 |
| Resources and Activity", including online | DEP, Stroud | | |
| supports for classroom, hybrid, and digital | Center, CBF | | |
| MWEE exploration at multiple gradebands | | | |
| Maintain, update and revise all components of | PDE | PA | Ongoing |
| Pennsylvania's Virtual Professional Learning | | | |
| Community (Standards Aligned System web | | | |
| page) for formal and nonformal, expand to | | | |
| include agricuture education as well as | | | |
| Environment & Ecology lessons, resources, etc. | | | |
| Expand dissemination of WV environmental | WV | WV OLNI | Dec 2021 |
| literacy training for teachers (making explicit | | | |
| MWEE connections) including WVDEP YEP! | | | |
| (Youth Environmental Program), Project | | | |
| Learning Tree, Project WET, Project WILD. | | | |
| Provide funding opportunities for | MD PGC | MD | Dec 2021 |
| environmental educators to support teacher | | | |
| | | | |
| professional development and technical | | | |
| assistance for incorporating remote learning | | | |

| | | Collect and share this information across states | СВР | Regional | Ongoing |
|----------|------------------------------------|---|------------------|---------------|--------------|
| | | through incorporation of resources on Bay | | | |
| | | Backpack | | | |
| | | Develop exemplar MWEE performance | VDOE | VA | Ongoing |
| | | assessments aligned to Virginia Science | VDOL | | Oligonia |
| | | Standards of Learning for 4th, 6th, Earth | | | |
| | | Science, Environmental Science, and/or Biology | | | |
| | | | | | |
| | | courses. Promote these performance assessments to both formal and nonformal | | | |
| | | | | | |
| | Create state specific approaches | educators using asynchronous and synchronous | | | |
| | and marketing strategies to | communication platforms. | | | |
| 1.4 | provide outreach to teachers about | Share information about the benefits and | MD (PGC); VA | MD, VA | Ongoing |
| | the benefits and resources | resources associated with MWEEs through a | (VRUEC) | | |
| | associated with MWEEs. | variety of professional groups and convenings, | | | |
| | | such as (MD: MAST, MCSS, SHAPE Maryland, | | | |
| | | MCTELA, MCTA, MAEOE, and state content | | | |
| | | area supervisors' meetings); (VA: VAST, VSELA, | | | |
| | | VAEE, NSTA, NAAEE, MAMEA) | | | |
| | | Develop outreach strategy for teachers to | DC (OSSE); DE | DC, DE, PA | 2022 |
| | | include materials (such as environmental | (Watershed | | |
| | | literacy guides and fact sheets) and events | Group); PA (DEP, | | |
| | | (such as teacher's night). Use the Stroud Equity | PDE, Stroud | | |
| | | Tool to guide outreach strategy as needed. | Center) | | |
| | | tators in developing effective MWEE pro | fessional develo | pment for edu | cators (pre- |
| service, | teachers, and non-formal). | | T | Τ | T |
| | Increase the number of | Work with a graphic designer to put together a | СВР | Regional | Summer 2021 |
| | professional development | template for the Facilitators Guide to MWEE | | | |
| | opportunities offered by trained | Training; Create page(s) on Bay Backpack to | | | |
| 2.1 | facilitators that include the MWEE | house each of the state versions of the | | | |
| | as an inquiry-based instructional | Facilitators Guide and associated resources. | | | |
| | model that encourages | Train facilitators in the MWEE model, including | СВР | Regional | Ongoing |
| | interdisciplinary investigations. | the use of Environmental Literacy Model (ELM) | | | |
| | | to develop curriculum-embedded MWEEs | | | |

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| Host the Environmental Literacy Forum to | СВР | Regional | Jan 2022 |
|---|-------------------|----------|----------------|
| convene partners across the watershed | | | |
| Utilize guidance materials developed to help | MD PGC | MD | Dec 2022 |
| more partners include the MWEE as an inquiry- | | | |
| based instructional model in more professional | | | |
| learning opportunities that are offered through | | | |
| continuing education courses for teachers; | | | |
| graduate credit courses, MSDE CPD credit, etc. | | | |
| Convene education community members to | MD PGC | MD | Dec 2022 |
| determine needs and opportunities to engage | | | |
| more participants in professional learning | | | |
| focused on increasing teachers' comfort | | | |
| teaching outdoors; work with partners to | | | |
| address needs and increase professional | | | |
| development that encourages using public | | | |
| lands. | | | |
| Promote the use of the MWEE tools (MWEE | MD PGC | MD | Dec 2021 |
| Guide and Facilitator's Guide to MWEE | | | |
| Training) among partners throughout the state | | | |
| to improve consistency in implementing | | | |
| MWEEs. | | | |
| Develop PA Facilitator's Guide for MWEE | PA PDE, DCNR, | PA | Summer 2021 |
| Training and execute facilitator training | DEP, Stroud Water | | |
| program. | Research Center, | | |
| | CFB | | |
| Develop the DE Facilitator's Guide for MWEE | DE Sea Grant | DE | June-Aug. 2021 |
| Training with a group of core partners | | | |
| representing both formal and nonformal | | | |
| education. | | | |
| Develop a facilitator training/capacity network | PA PDE, DCNR, | PA | Dec 2021 |
| that includes PA STEM Ecosystems, PA BSP EE | DEP, Stroud Water | | |
| | | | |
| team, PA Conservation District education and | Research Center, | | |

| | | Coordinators), PA Library System, PSU | | | |
|-----|------------------------------------|---|----------------|----------|-------------|
| | | Extension educators. Connect to PA Facilitators | | | |
| | | Guide development to ensure QA/QC. | | | |
| | | Encourage PA MWEE Ambassadors to mentor | PDE | PA | Ongoing |
| | | new formal or non-formal organizations | | | |
| | | through direct outreach and recruitment. | | | |
| | | Host a train-the-trainer 1-day professional | VRUEC | VA | Spring 2021 |
| | | development using the VA Facilitator's Guide to | | | |
| | | MWEE Training in tangent with the 2022 VAEE | | | |
| | | Conference | | | |
| | | Promote "MWEE Ambassador" program to | VRUEC | VA | Ongoing |
| | | informal educators through VRUEC and | | | |
| | | regional environmental teams. | | | |
| | | Integrate MWEE professional development | VA, MD, DE Sea | Regional | Ongoing |
| | | sessions, modeled after the Facilitator's Guide | Grant | | |
| | | to MWEE Training, in MAMEA regional and | | | |
| | | state mini-conferences. | | | |
| | | Complete and implement recommendations | СВР | Regional | Spring 2021 |
| | | from network analysis with Local Concepts to | | | |
| | | address gaps and opportunities for network | | | |
| | | development | | | |
| | Develop a community of practice | Encourage district representation for the | CBF | Regional | Ongoing |
| | that provides opportunities for | national Superintendents Environmental | | | |
| | practitioners to network and share | Education Collaborative | | | |
| 2.2 | best practices, marketing | Convene active NOAA B-WET project leaders on | СВР | Regional | Summer 2021 |
| | strategies, and resources for | a biannual basis to share project resources, | | | |
| | effective professional development | best practices, challenges and success. | | | |
| | and student MWEEs. | Convene MWEE practitioners through a | СВР | Regional | Monthly |
| | | webinar series September-May | | | |
| | | Enhance collaboration and communication | VRUEC | VA | Ongoing |
| | | between state agencies, formal and nonformal | | | |
| | | educators and environmental organizations. | | | |

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| Facilitate local networking opportunities within | MD PGC | MD | Dec 2021 |
|--|-------------------|----|----------|
| the state to collect and share resources, best | | | |
| practices to deliver instruction in varied | | | |
| learning environments, training guides, etc. | | | |
| State partners will designate regions within the | | | |
| state, identify EE partners to coordinate the | | | |
| local networks, provide guidance for | | | |
| consistency among networks, and report back | | | |
| at state and regional levels. | | | |
| Provide ongoing support for communities of | OSSE | DC | Dec 2022 |
| practice to collaborate and increase capacity | | | |
| and implement environmental literacy | | | |
| programs at schools. | | | |
| Continue to build out the local network and | Cacapon, | WV | Ongoing |
| community of practice within the WV OLNI | Experience | | |
| cohort | Learning, Potomac | | |
| | Valley Audubon | | |
| Continue to build out the local network and | Stroud | PA | Ongoing |
| community of practice within the PA OLNI | | | |
| cohort | | | |
| Engage WV Science Teacher Association and | Cacapon, | WV | Dec 2021 |
| regional environmental literacy providers in | Experience | | |
| expanding MWEEs. | Learning, Potomac | | |
| | Valley Audubon | | |
| Continue to build the PA Task Force and | PA | PA | Ongoing |
| environmental literacy network in PA through | | | |
| hosting regular meetings | | | |
| Engage with NAAEE NOAA Watershed STEM | PDE | PA | Ongoing |
| Learning grantees by sharing resources, lessons | | | |
| learned, and identifying opportunities for | | | |
| future collaboration and networking | | | |
| | | | |

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| 2.3 | Support facilitators in adapting their MWEE workshops and trainings to blended and virtual | Develop and implement a survey assessing the education communities perception of virtual learning opportunities | СВР | Regional | Fall 2020 |
|-----|--|--|---|---------------|----------------|
| | formats. | Compile and share best practices and recommendations around professional development in blended and virtual programming including accessibility. | СВР | Regional | Spring 2021 |
| | Promote and share virtual training th accessible to facilitators (MWEE 101 a 201), including an addendum to the t Facilitator's Guide that provides sugg | Promote and share virtual training that is accessible to facilitators (MWEE 101 and MWEE 201), including an addendum to the the Facilitator's Guide that provides suggestions around virtual/blended training. | СВР | Regional | Spring 2021 |
| _ | | Facilitate local networking opportunities within the state to collect and share resources, best practices to deliver instruction in varied learning environments, facilitation / training guides, etc. ol, district, and regional administrator | - | - | _ |
| | ng direct engagement needed to understanding. | support the use of MWEE as an education | onai dest practic | e to buna ana | reinforce core |
| | Create resources that showcase the importance of MWEE and | Identify key policy initiatives at the state level and develop outlines and trainings to align MWEE to those policies | СВР | Regional | Dec 2022 |
| | connect them to existing educational initiatives (e.g. Next Generation Science Standards, Project Based Learning, | Use the network analysis to determine priority organizations for sharing the value of tactile hands-on environmental literacy that aligns | Regional | Spring 2021 | |
| 3.1 | Workforce Development, STEM [Science, Technology, Engineering, and Math], etc) as well as key policy initiatives (e.g. | Compile a concise set of pertinent research related to MWEEs and 21st Century Skills, college & career readiness, VA 5 C's, academic achievement, and other state priorities. | VA (CBP Workgroup Members); MD (PGC); PA (PDE) | VA, MD, PA | December 2022 |
| | Every Student Succeeds Act, U.S. DOE Green Ribbon Schools, etc). | Engage professional and practice groups such as, PA IU system, PA STEM Ecosystems, Ag Ed (e.g. PAAE), Environmental Justice Advisory | PDE | PA | Ongoing |

| | | Deard Calculated Control of | | | 1 |
|-----|-------------------------------------|---|------------------|----------|-----------|
| | | Board, School Support Services groups (e.g. | | | |
| | | Migrant & Refugee ED, and 21st Century | | | |
| | | Programs through PD that demonstrates | | | |
| | | utilization of MWEE and ELM as a tool to | | | |
| | | promote inclusive problem based learning | | | |
| | | practices that address statewide initiatives. | | | |
| | | Showcase MWEE examples in newsletters and | PA | PA | Ongoing |
| | | other communication channels."Teaching | | | |
| | | Green," Science Matters, SAS Learning | | | |
| | | Communities, Pennsylvania STEM Coalition, | | | |
| | | State Systems of Supports Workgroups. | | | |
| | | Organize network resources by theme (e.g. | PA ELIT Capacity | PA | Ongoing |
| | | MWEE component, curricular connection, | Building | | |
| | | audience expansion, research supports, etc.); | Leadership Team | | |
| | | may also include white papers, literature | | | |
| | | reviews, research summaries. | | | |
| | | Create a set of promotional materials for | NOAA | Regional | Fall 2021 |
| | | MWEE Ambassadors to use in outreach to | | | |
| | | school, district, and regional administrators | | | |
| | | that includes analyses that demonstrate | | | |
| | | impacts of MWEE on student learning | | | |
| | | Distribute resources created in action 3.1 | VDOE, VAEE | VA | Ongoing |
| | Create state specific approaches to | through appropriate channels such as VAST, | | | |
| | provide outreach to districts and | VDOE Superintendent's Memos, VSELA, etc. | | | |
| 3.2 | principals about the benefits and | Leverage existing non-formal/formal | | | |
| | resources associated with MWEEs. | partnerships and networks to amplify the | | | |
| | | message. | | | |
| | | Create marketing materials, using ELIT data | MD PGC | MD | Dec 2022 |
| | | collected under Planning 2.1 to share with | | | |
| | | district administrators to highlight | | | |
| | | accomplishments, determine needs and/or | | | |
| | | cultivate partnerships. | | | |
| | | 1 | | | |

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| | | Offer administrator professional opportunities | DDOE and | DE | Ongoing |
|-----|-------------------------------|--|------------------|---------|-------------|
| | | to learn about the EE literacy plan, what | Watershed Group | | |
| | | MWEEs are, and how EE relates to improving | | | |
| | | overall testing scores. | | | |
| | | Develop and administer PA | PDE, DCNR, CBF, | PA | Dec 2020 |
| | | Administrator/leadership level training (ACT 45) | SWRC, IU 13 | | |
| | | that incorporates Environmental Literacy Plan | | | |
| | | Development and highlights benefits of | | | |
| | | systemic MWEE integration. | | | |
| | | Develop and offer professional development | PDE, DCNR, CBF, | PA | Dec 2020 |
| | | programs which support environmental literacy | SWRC, IU 13, | | |
| | | plan development and implementation. | Fairmount | | |
| | | Encourage partnering of non-formal educators | Waterworks | | |
| | | to provide outside support for teachers and | | | |
| | | administrators opportunity to develop | | | |
| | | community- wide, systemic, interdisciplinary | | | |
| | | programs. | | | |
| | | Continue to present at conferences and | PA ELIT Capacity | PA | Ongoing |
| | | organizational meetings such as PAIU, PASBO, | Building Grant | | |
| | | Regional ASTE, NARST, AERA. | Leadership Team | | |
| | | Develop a strategy for engaging with | PA Task Force | PA | Fall 2021 |
| | | Superintendents and/or principals (e.g. | | | |
| | | Principal Academies, presenting at Association | | | |
| | Continue to develop MWEE | of Superintendents conferences, etc.) | | | |
| | Ambassadors among | Share resources around network development | Conestoga Valley | PA | Summer 2021 |
| | administrators at the school, | and other key materials from PA OLNI with | School District | | |
| 3.3 | district, and regional levels | statewide network to inform and recruit | | | |
| | through broadened stakeholder | additional school districts. | | | |
| | involvement. | Maintain and improve environmental PDE, DEP, DCNR PA | PA | Ongoing | |
| | | education awards programs, such as PA MWEE | | | |
| | | and Pathways to Green Schools (US DOE Green | | | |
| | | Ribbon School Program) to maintain visibility | | | |

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| and excitement of MWEE related | | | |
|---|--------------------|---------|-----------|
| programming. | | | |
| Develop and facilitate an administrator and | PDE, PASBO, PAIU, | PA | June 2022 |
| facility manager level networking partnership | DEP | | |
| with the teacher/ambassador/facilitator | | | |
| program to provide supports for educational | | | |
| leadership to share experiences; include PAIU | | | |
| partners process. | | | |
| Submit presentation proposals about the value | VRUEC | VA | Ongoing |
| of MWEEs to the Virginia Association of | | | |
| Supervision and Curriculum Development | | | |
| annual meeting | | | |
| Facilitate opportunities for MWEE-based field | MD PGC | MD | Dec 2022 |
| experiences for administrators and associated | | | |
| exchanges of successful models, ideas, and bes | t | | |
| practices to include ELit across disciplines in the | 2 | | |
| curriculum. Involve EE partners to increase | | | |
| awareness and ignite partnerships. | | | |
| Engage superintendents and school boards in | Cacapon Institute, | WV OLNI | Dec. 2021 |
| adoption of formal MWEE plans & goals | Experience | | |
| including recognition awards for schools, | Learning | | |
| teachers, and students. | | | |
| Engage superintendents and school boards in | Cacapon Institute, | WV OLNI | Dec. 2021 |
| adoption of formal MWEE plans & goals | Experience | | |
| including recognition awards for schools, | Learning | | |
| teachers, and students. | | | |