



Friends of the Rappahannock (FOR) completed 4 objectives with MWEE funding impacting 644 students and more than 25 educators

Objective 1: Professional Learning

Two professional learning experiences were offered for High School science teachers. Topics included: State of the Bay, introduction to MWEE guidelines, exploring issues, Resources, water quality investigation tool, and classroom assessment/inquiry connections.

Objective 2: Curriculum Support

FOR worked with 23 educators and 3 administrators to develop curriculum support specific to district needs. The group developed and/or adapted Phenomena-Based Learning prompt cards for local phenomena, created a dichotomous key for common trees at local parks for upper elementary, and adapted macroinvertebrate key/ID cards focused on visual learners including color coded pollution sensitivity, images of larva and adults. In addition, they developed, adapted and/or shared seven lessons to 5E lesson plans.

Objective 3: Conference attendance

Support was given to three high school teachers to attend the Virginia Association for Environmental Education's annual conference.

Objective 4: Provide MWEE Lesson Modeling

FOR modeled Riparian Buffer STEM Challenge lessons as in-class issue development for three third-grade classes as well as modeled We All Live Downstream with macroinvertebrate sampling preparations to prepare further for field investigations. Staff supervised National Honor Society volunteers from local high schools modeling macroinvertebrate sampling and ecosystem health assessment to third grade students. In addition FOR modeled a biodiversity survey (Bioblitz) for 3rd and 4th grade students and surveyed macroinvertebrates, trees, terrestrial invertebrates, and birds.

Objective 5: Provide Environmental & Earth Science Issue Development & Field Investigations

FOR modeled Stormwater Drain Sediment Challenge lessons as in-class issue development for High School Earth Science and Environmental Science students with emphasis on local land use. Macroinvertebrate sampling and chemical water quality testing were taught and Earth Science students were supported in raising and releasing Brook Trout.



