



STEAM 4.0 & Meaningful Watershed Experiences

PROFESSIONAL DEVELOPMENT WORKSHOPS -

Presented by the Virginia Association of Science Teachers, Region IV

Wednesday, July 12th, 2017 – 8:00 a.m. – 3:00 p.m.

Charles J. Colgan High School, Prince William County, VA

STEAM 4.0 Breakout Session Topics: Integrating STEM & The Arts Instruction; Cross-Cutting Strategies in Science & Math, Engineering & Science, and Technology with ALL Instruction; The Arts' Role in STEM; 21st Century Workforce Preparation from a STEMM (+ Medicine) Panel; STEAM Schools' Update on their Focus & Challenges; Student Artists Pursuing STEM Careers – a year later post-STEAM 3.0 and Student Artists Pursuing STEM Careers in 2017 (“Why STEAM?”); & more!

Meaningful Watershed Educational Experiences: The “Chesapeake Bay Watershed Agreement” (signed 4.24.2015) is supported by VA DEQ, DC DOEE, NOAA, VA SWCD, and The National Park Service, to name a few agencies besides the VA DOE. Through a Project WET Workshop, school teams consisting of at least one administrator + two staff members, will receive **MeWEE** professional development and resources. Project WET is a nationally developed, supplementary water education program for educators, designed to teach students *how* to think, rather than *what* to think. Special emphasis is given to understanding the needs for water by all water users- no matter the geography of the district/region. (Workshop partially funded by VRUEC grant)

Working Lunch for both Sections: Vertical Alignment and Cross-Curricular Strategies
Closing: STEAM 4.0 & MeWEE Sections Workshop Wrap-Up and Door Prizes

Co-Presenters: Battlefields of Northern Virginia Council of Teachers of Mathematics
Prince William County Public Schools, Science & Family Life Education

Fees: STEAM 4.0 - \$20/person, non-VAST or BNVCTM member;
\$10/current VAST/BNVCTM member
STEAM 4.0 Team of 4 from one school - \$70
if one a VAST/BNVCTM member: \$60

MeWEE Team of 3 from one school - \$30 (\$10 each)(partially funded by grant)

All registration fees include: refreshments, lunch, materials



Please send by postal mail or email the following information, by Thursday, July 6th:

Name _____ School District _____

School _____ Subject Area/Grade Level _____

Current VAST Member? _____ BNVCTM? _____ Email address _____

Fee is due from each participant- check payable to: “VAST” enclosed, or cash/check on-site. MeWEE Teams and School Teams of 3+: please submit registration form for **each** person and send all together, with fees. Special rate for College Students in STEM or Pre-Service- contact Susan. Please contact Susan if using school purchase order/invoice (VAST is a vendor with most Region IV districts). TO: Susan Bardenhagen, VAST Region IV Director, P.O. Box 2974, Manassas, VA 20108 Smb4STEAM@gmail.com