

# STEM PEER GROUP AGENDA 2018 - Virginia Crossings Hotel & Conference Center

VIRGINIA CROSSINGS HOTEL & CONFERENCE CENTER										
Time/Session	Henrico Ballroom A / Breakout 1	Henrico Ballroom B / Breakout 2 (panel/theatre)	Math Breakout 3	Tech (IST/CS/Cyber) Breakout 4	Biology Breakout 5 (40)	A & P Breakout 6 (30)	Chemistry Breakout 7	Engineering Breakout 8	Geology Breakout 9	Applied Technologies / General Science Breakout 10
<b>DAY ONE – FRIDAY, OCTOBER 26</b>										
11:00 a.m. Registration										
11:30 a.m. - 12:30 p.m. lunch in restaurant										
12:30 - 1:15 p.m. Keynote in Ballroom The New VCCS General Education Outcomes: Meeting Our Objectives <i>Miller, Finnegan</i>										
1:15 - 1:30 p.m. break & airwall set										
1:30 - 2:20 p.m. / Session One 2:20 - 2:30 p.m. break	The New VCCS General Education Outcomes: Faculty Feedback Opportunity <i>Finnegan, Miller</i>	Undergraduate Research - No Lab Coat Required <i>Neal</i>	Increasing Students' Understanding of Calculus: Applications from the Physics Perspective <i>Tran</i>	Using GitHub Classroom in Programming Classes <i>Maxfield</i>	Teaching Critical Thinking Skills Using Case Studies <i>Witt</i>	A&P Labs: A New Hope <i>Montpetit, Mergliano</i>	Addressing Science Deficiencies: Technology, Sustainability, and Enhancing Writing Rigor in the Lab <i>Upshaw</i>	DSLCC's Associate of Applied Science in Electrical and Instrumentation Technology	Incorporating Professional Skills in Geoscience Courses <i>Berquist, Bentley, LeMay, Layou</i>	"Jazz" Up Your Classes with Ideas from the Electric Guitar Building Institute <i>Huntress</i>
2:30 - 3:20 p.m. / Session Two 3:20 - 3:30 break	Guided Pathways for Science Degrees <i>Mergliano, Carlisle</i>	Welcome to Canvas, VCCS' New LMS <i>Prupis</i>	Q: "When Will We Ever Use this (Math)?" A: "Circuits!" <i>Bampton</i>	A Multi-Use Technology Framework: The Virginia Cyber Range <i>Coffman, Raymond</i>	Engaging Students in the Classroom: Brief Oral Exercises <i>Evans</i>	Two-Year/Four-Year A&P/Nursing/Allied Health Departments Panel <i>Hollar, Lisk, Smith, Lawson, Chappell, Colatruccio, Giddens, Tacy</i>	In Defense of Access and Diversity: Current Research Regarding Online Chemistry and Biology Lecture and Lab Courses <i>Shields</i>	A Workforce Development/Academic Partnership to Promote Technology Certification (IST) <i>Tureman, Czerwinski</i>	Split Session: Guided Pathways & Geology <i>Bentley, Rasmussen</i> Geology Transfer Roundtable <i>Bentley</i>	The First Principle of Training <i>Plumb</i>
3:30 - 4:20 p.m. / Session Three 4:20 - 4:30 p.m. break	Early Alert and Advising Tools in EAB Navigate Campus <i>Curran</i>	NASA Prof. Dev. for STEM Educators: Digital Badging, Online Prof. Learning Community and STEM Takes Flight <i>Weiss, Sound, Palm,</i>	Quantitative Reasoning - Content Revisited <i>Parker</i>	Forget C++, Program Arduinos in Python and Focus on STEM <i>Oliver</i>	Split Session: Foundations of Life Sciences (NAS 2) <i>Clark</i> Inquiry Labs- Engaging Students In The Scientific	Activities and Strategies to Get Students Actively Engaged in Anatomy Lab <i>Fasano</i>	Amadeo Carlo Avogadro, Solution Mining, and US Patents <i>Kaplan</i>	Transfer Engineering Roundtable	Weathering The Grave: Using Local Cemeteries to Learn About Chemical Weathering (Computer Lab-BYOD) <i>Kohrs</i>	Maritime Stackable Academic and Industry Credentials Put Students on the Road to Success <i>Stout</i>
4:30 - 5:20 p.m. / Session Four END OF DAY ONE	VSGC Community College NASA Internship Opportunities <i>Shaw</i>	Mechatronics Panel Discussion <i>Stout</i>	The Use of Maple Software in a Calculus Course <i>Westerhoff, Sound</i>	What Will It Take to Finally Put a Spear through IPv4 and Embrace IPv6? <i>Nieves</i>	Microbiology Prerequisites, Course Content and More <i>Rhoads</i>	Innovative, New Ideas for Engaging A&P Students <i>Witt</i>	You Had Me at Hello: Creating a Syllabus that Excites Students to Learn <i>Kansal</i>	Using Tablet PCs and OneNote Class Notebook to Improve Student Learning and Class Management <i>Hale</i>	Taking Better Geological Photos <i>Bentley</i>	How to Counter the Attacks on Science <i>Groover</i>

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<b>DAY TWO – SATURDAY, OCTOBER 27</b>												
7:30 - 8:10 a.m. breakfast in restaurant												
8:10 - 8:55 a.m. Plenary Session 8:55 - 9:10 a.m. break & airwall set Meaningful Change: From the Master Course File to Pathways <i>Lewis, Parker</i>												
9:10 - 10:00 a.m. / Session Five 10:00 - 10:10 a.m. break	Civic Engagement in the STEM Classroom <i>Backus, Kansal</i>	Meet and Greet Problem Solving: Strategies to Integrate Active Learning Content into Traditional First Day Activities <i>Polm</i>	Variation of Pascal's Triangle <i>Fu, Fu</i>	Using OER Textbooks in Computer Science Classes <i>Elkner</i>	Spicing up Bio 101: Incorporating Short, Interactive Activities to Promote Learning <i>Hauser</i>	Faculty Advising for Bio 141-142 / Navigate / Pathways <i>Hollar</i>	Chemistry Working Group: Chemistry 111/112 Course Objectives and Laboratory Discussion <i>Burton</i>	Updating Engineering Fundamentals Course Descriptions <i>Hale</i>	Project-Based Physics Teaching <i>Kuchina</i>	Maritime Mechatronics DACUM Results <i>Stout</i>	Designing Accessible Syllabi (BYOD) <i>Beyer</i>	Data Points by HHMI Biointeractive <i>Wrightson</i>
10:10 a.m. - 11:00 a.m. / Session Six 11:00 - 11:10 a.m. break	Corequisite Implementation in a QR Course <i>Beamer</i>	Storytelling: A Way to Teach, a Way to Learn <i>Back</i>	Navigating Precalculus Success <i>Moore, Wallin</i>	New Teaching Methods: C++ Linked List (Computer Lab - BYOD) <i>Goldstein</i>	Campus Tours: Restructuring Biology 102 to Incorporate Mini-field Trips and Experiential Learning about Local Biota <i>Vondrasek</i>	Best Practices for Using Anatomage Tables in the A&P Laboratory <i>Hollar</i>	Two-Year/Four-Year Chemistry Department Round Table Discussion <i>Dillender</i>	Creating a STEM Club to Aid Student Success! <i>McCarthy-Burke, Renault</i>	The Distance to Two Variable Stars of Different Type by the Period-Luminosity Method of Miss Henrietta Swan Leavitt <i>Mosca</i>	Revising the Science AA&S Curriculum at GCC to Facilitate Student Transfer to Four-Year Universities <i>Shields, Callan</i>	Improving Retention and Diversity via Spatial Visualization Training (BYOD) <i>Grimes</i>	VCCS Professional Development Grants: Funding 101 <i>Beyer, Harris</i>
11:10 a.m. - 12:00 p.m. / Session Seven ADJOURN	Strategies for Course Redesign & Finding the Appropriate Resources <i>Dario-Becker, Aldi, Zahn</i>	Incorporating Drones into Varied Curriculum <i>Young</i>	Precalculus Tips & Tricks <i>Thomas</i>	Energizing Student Resumes with Non-Traditional Approaches <i>Stange</i>	Designing Lab Manuals - Deep Thoughts <i>Lentz-Ronning, Beyer</i>	Assessment of Effectiveness of Active Learning Practices in On-Ground, Hybrid and Online A&P Courses <i>Silva-Krott</i>	Student Learning Outcomes for Organic Chemistry <i>Holroyd, Snow</i>	A Comprehensive Design Project for AAS Electronics Education <i>Studtmann</i>	Physics Peer Group Meeting <i>Kuchina</i>	OER in A&P <i>Hollar</i>	Computer-based Projects for Calculus, Linear Algebra, and Differential Equations (BYOD) <i>Lachniet</i>	Birds of Virginia: Knowledge to Save Nature <i>Simpson, Simpson</i>
12:00 - 1:00 p.m. / Post-event Meetings VMATYC Lunch Meeting A & P Wrap-up Meeting Chemistry Wrap-up Meeting												