

	General 1	General 2	Classroom Tech	K-2	3-5	6th SEEd	7th SEEd	8th SEEd
8:00-8:50	Registration							
9:00-9:50	Keynote Address- Phillip Bell							
10:00-10:50	SAGE Summative Assessment of the SEEd Standards ROOM CANYON Scott Roskelley	Target Outcomes for Mastery Learning ROOM ASPEN Kelli Munns (Brown)	Engineering Air Quality Monitors ROOM AMPITHEATRE Terry Aragon	Rock Your Class- Lunar and Meteorite Certification Training ROOM BIRCH Dr. Karen C. Roark	Connecting Communities and Schools Through STEM ROOM CEDAR Mark Nance	Investigating Weather Change- High Pressure to Low Pressure Lab Experiment ROOM ZION Paul Nance	Teaching Contact Forces: Newton's Laws of Motion ROOM BRYCE Jenn Tullis	Discovering the Carbon Cycle ROOM ARCHES Kandie Kunzler
11:00-11:50	Use Data Collection to Merge Science and Math ROOM CANYON Jeff Lukens	Single day STEM events as a way to ignite young imaginations ROOM ASPEN William Heyborne	Science and Film: Integrating Documentary Film and Filmmaking into Science and STEM Classrooms ROOM AMPITHEATRE Suzi Montgomery	Potential Energy: 3D Learning with Kindergarteners ROOM BIRCH Laura Cotter	How to Create a Problem Based Learning Experience ROOM CEDAR Megan Jenkins	Using a three-dimensional Approach to Investigate Orbital Motion of Objects in the Solar System ROOM ZION April Mitchell	Cells and Heredity- You've taught it before, now make it 3D ROOM BRYCE Celeste Butler	Making 3D Connections in 8th Grade ROOM ARCHES Jeanne Bostwick
11:50-12:30	Lunch and prize drawing							
12:40-1:30	Be a Scientist Teacher Adventurer! ROOM CANYON Debbie Morgan	Science Notebooks- Science smarter, not harder! ROOM ASPEN Jess Dwyer	BBC Microbit, Coding, and Science Experiments ROOM AMPITHEATRE Carl Lyman	Sensemaking Science in K-2 Classrooms ROOM BIRCH Megan Black	Snail Explorations ROOM CEDAR Christine Briscoe	Exploring Marine Ecosystems ROOM ZION Melissa Halvorsen	Using Modeling Investigations to Understand Gravitational Interactions in Orbiting Systems ROOM BRYCE Charlie Matthews	The Copper Conundrum: Evidence of Three Dimensional Learning ROOM ARCHES Candace Penrod
1:40-2:30	Having Fun with Energy ROOM CANYON Peggy Witwer	Use POGIL (Process Oriented Guided Inquiry Learning) activities ROOM ASPEN Matt Horn	Journey 2050: Virtual Simulation Exploring Global Food Sustainability ROOM AMPITHEATRE Denise Stewardson	Every Rock Has a Story! ROOM BIRCH Paul Nance	Ferro Fluids, Cow Magnets and Bearded Compasses ROOM CEDAR Bryce Hixson	Integrating Great Salt Lake Into Your Instruction ROOM ZION Kalani Eggington	Feel the Force ROOM BRYCE Julio Escobedo	Catching the Wave of 3-Dimensional Learning ROOM ARCHES Vickie Ahlstrom
2:40-3:30	Engaging Classroom Vocabulary Strategies ROOM Canyon Oliver Hansen	Planted SEEd Storylines in the Blended Learning Field ROOM ASPEN Sarah Ruiz	3D Science Using Authentic, Digital Objects- improve your practice, boost student learning! ROOM AMPITHEATRE Madlyn Runburg	Big Pumpkins: Using Computer Models to Investigate Inheritance and Variation in the Garden ROOM BIRCH April Mitchell	STEMposium with the Utah State Science Core ROOM CEDAR Debbie Draper	Weather and Meteorology ROOM ZION Rachael Coleman	Rejuvenate Existing Lessons Using the 3D Science Model ROOM BRYCE Carolyn Robertson	Authentic 3D Assessments that can be graded in class for 8th Grade Chemistry ROOM ARCHES Kelli Cheesman
3:30	Ice cream social and prize drawing							
6:00	UtSTA Awards Banquet, Keynote Address- Daniel Bedford							
	Biology	Evolution	Chemistry	Earth Science	Physics			
10:00-10:50	The Neuroscience of Our Senses ROOM ELM Amy Hawkins	Update on new happenings in evolution from the UVU/BYU Evolution Group ROOM OAK Richard Tolman	Spiderman, 3D Science, & Chemistry ROOM SYCAMORE Jennifer Claesgens	Deep Time: Exploring Evidence for the Age of the Earth ROOM JUNIPER Holly Godsey	Physics, 30 Demonstrations in 60 minutes ROOM MAPLE Duane Merrell			
11:00-11:50	National Library of Medicine's Online Playground: Science and Health Education Resources ROOM ELM John Bramble		Chemistry in 3D ROOM SYCAMORE Whitney Beckstead		Standards Based Teaching- An Organized Approach to Teaching ROOM MAPLE Dylan Lyman			
11:50-12:30	Lunch and prize drawing							
12:40-1:30	Planting the SEEd's of conservation ROOM ELM Angelina Krump	Update on new happenings in evolution from the UVU/BYU Evolution Group (cont.) ROOM OAK Richard Tolman	Decision-Based Learning: Strategies for solving word problems in chemistry ROOM SYCAMORE Rebecca Sansom	Getting to the Hows and Whys in Earth Science ROOM JUNIPER Jacob Johnson	What's the point of points? ROOM MAPLE Emma Smith			
1:40-2:30	What is Nature-inspired Exploration? Biomimicry ROOM ELM Dr. Karen C. Roark		Ten 15-minute Chemistry Labs ROOM SYCAMORE Tracy Poulsen	Climate and Climate Change Science ROOM JUNIPER Daniel Bedford	The Physics of Instrumental Music ROOM MAPLE Mary Jane Seamons			
2:40-3:30	From Utah to Antarctica: polar research, nematodes and tardigrades in the classroom ROOM ELM Josh Heward		Building Your Science PLN (Professional Learning Network) ROOM SYCAMORE UtSTA Board Members	opengeology.org: The first OER introductory geology text ROOM JUNIPER Matt Affolter	Physics, 30 Demonstrations in 60 minutes ROOM MAPLE Duane Merrell			

