

Programs At a Glance

Anatomy

Tuesday

10:00-11:30 Starla's Hands-On Body Systems: Nervous System...Get Connected!

Assessment

Tuesday

8:00-9:30 Bringing T to STEM: Integrating Technology into Teaching Elementary Science

Wednesday

9:30-10:30

Effective Use of Classroom Technology

2:00-3:30

Transitioning to Standards-Based Grading

Bilingual STEM education in an Urban Setting

Wednesday

11:00-12:00

Strategies for Teaching STEM to Bilingual Students in an Urban Setting.

Biology/Life Science

Tuesday

8:00-9:30

Complex Instruction (CI) in Science: Increase Equitable Access in Group Work with Actionable Norms

8:00-9:30

Go On A Cell Quest! Teaching Cell Structure Through Gaming

10:00-11:30

Starla's Hands-On Body Systems: Nervous System...Get Connected!

10:00-11:30

NGSS-Aligned Instruction Using HHMI Biointeractive Resources

11:00-12:00

Preparing High School Students for Health Profession Careers.

11:30-1:00

Foodborne Outbreak Investigation Using Gel Electrophoresis

12:00-1:00

Genes in Space STEM Contest: Your DNA Experiment in Space!

12:00-1:30

Exploring Opportunities to Learn Through Science Tasks

12:30-2:00

Bioconservation Meets Technology

1:30-2:30

Genetic Disorder, Gene Expression, and Genetic Crosses Partner-Based Project NGSS Style

2:00-3:30

Meaningful Models of Adaptation in Grades K-8

2:30-3:30

Are You a Night Owl? A Morning Lark? The Answer May Be in Your Genes...

2:30-4:00

Using Authentic Research Data in the Classroom to Build Students' Quantitative and Inquiry Skills

3:00-4:00

Teaching Biology Using Scientific Databases

3:00-4:00

Using Forensic Entomology and DNA Profiling to Practice Mathematics and Computational Thinking.

Wednesday

8:00-9:30

Marvelous Manatees: Gentle Giants of the Sea

8:00-9:30

Solve a Giant Panda Problem

8:00-9:30

Changing Habitats, Changing Populations

8:00-9:30

Using Mitotic Division to Introduce Statistical Hypothesis Testing in AP and IB Biology

10:00-11:00

Starla's Cover the Basics and Create the Best

10:00-11:00

Forensics: Who Did it? What Happened to Crystal?

10:00-11:30

Who Is Baby Whale's Father? DNA Fingerprinting Solves the Mystery!

10:00-11:30

Designing Your own Escape the Room (ETR)

11:00-12:30

Chicken Decomposition/Entomology Study: Forensics, Ecology, Evolution and Animal Behavior

11:30-12:30

DNA Glow Lab: A New Way to Investigate DNA Structure

11:30-1:00

Teach Evolution with Confidence Using TIES Resources

11:30-1:00

Infuse Math into Your APES/IB ESS or AP/IB Biology Course by Using Data Generating Games Each Day

1:00-2:00

Energy Quest: Where Cell Pathways ARE Fun and Games

1:30-2:30

Lab in a Box: A Free Biotechnology Loaner Program from Genes in Space

Careers in Science

Tuesday

11:00-12:00

Preparing High School Students for Health Profession Careers.

Chemistry

Tuesday

8:00-9:00

Middle School and High School Classroom Resources from the American Association of Chemistry Teachers

8:00-9:00

Constructing Written Explanations: Practical Tips and Tools for Use in 9-12 Grade Science Classrooms

8:00-9:00

Showtastic!!! Where Kids Run the Show with Fantastic Science Demonstrations!

8:00-9:30

Complex Instruction (CI) in Science: Increase Equitable Access in Group Work with Actionable Norms

8:30-9:30

Ocean Acidification in the Classroom

10:00-11:00

Atomsmith™ Online: Interactive, Dynamic and Physically Accurate Modeling with Atoms & Molecules

10:00-11:00

How to Teach GAS LAWS without Teaching!?

11:30-12:30

SECRET FORMULAS: Challenge and Delight Your K - 2 students with Inquiry Based, Hands-On Chemistry.

12:00-1:30

Exploring Opportunities to Learn Through Science Tasks

1:00-2:00

It's STEAMY in Chemistry

1:00-2:00

Infusing Technology into the Secondary Classroom

1:00-2:30

Effective Uses of Wireless Sensors in a 1:1 Environment: A Focus on Honors Physics and Chemistry

Programs At a Glance

2:00-3:00 150th Anniversary of the Periodic Table

Wednesday

8:00-9:30 Phenomodeling: Providing Scaffolding for Phenomena-based Modeling
8:30-9:30 NGSS Chemistry for Struggling Learners
8:30-9:30 Measuring Science Proficiency Through a More Authentic Virtual Science Laboratory
9:30-10:30 Using Portfolios in a High School Science Classroom
11:30-1:00 Implementing NGSS into Your Middle School Physical Science Classroom!
12:00-1:30 Green Chemistry is Safe Chemistry
12:30-1:30 Kinesthetic Chemistry: Get Your Students Up and Moving
1:30-3:00 Making Sense out of NGSS - Part II - Focusing on Phenomena

Classroom Management

Wednesday

2:30-3:30 I Am Passing Out Superpowers

Common Core

Tuesday

11:30-12:30 SECRET FORMULAS: Challenge and Delight Your K - 2 Students with Inquiry Based, Hands-On Chemistry.

Wednesday

10:00-11:00 Amazing Informational Texts and the Next Generation Science Standards: Grades K-3

Data Literacy

Tuesday

10:00-11:00 Data and Variability: Intermediate Strategies to Integrate Data Literacy into Science Classrooms

Wednesday

8:00-9:00 Bring on the Data! Beginning Strategies to Integrate Data Literacy into Science Classrooms

Earth/Space Science

Tuesday

8:00-9:00 Using Real Time Data to Integrate Oceanography/ Meteorology
8:00-9:30 NGSS-aligned Lessons to Model Earth Systems, Scaffold Knowledge, and Make cConnections in 3D Learning.
9:30-10:30 Asteroid Hunting
11:30-12:30 Forensic Sand and Soil Analysis in Crime Scene Investigations
12:00-1:30 Teaching Earth Science? Come Get Your Hands Dirty
1:30-2:30 A Classroom Fossil Dig
2:30-4:00 NASA GLOBE Mission Earth

Wednesday

8:00-9:00 EARTH Program Through Monterey Bay Aquarium Research Institute - Real-World Data and 3-D Learning
10:00-11:00 Tying together Scale and Modeling in the Middle School Earth/Space Science Classroom
10:00-11:30 Demystifying the 3D NGSS and STEM through the Phenomenon of Earthquakes
12:00-1:00 Case Studies - Compelling and Engaging 3-D Instructional Tools
12:00-1:30 Ocean Science: Hand-on Lesson
2:00-3:00 ES:LAB: Asking Questions and Collecting Data
2:00-3:00 Earthquake Engineers

Ecosystems

Wednesday

2:00-3:00 Saving Sea Turtle Nests: A Middle School Engineering Design Project

Engineering

Tuesday

11:30-12:30 Take Your Students on a Quest.
12:30-2:00 3...2...1...GO! Taking off with 21st Century Skills
1:00-2:00 Make Your Classroom a Maker Space

Wednesday

8:00-9:30 Bridging to 21st Century Skills Through Engineering
10:00-11:00 Rockets and Newton's Laws Workshop™ Think Like an Engineer and Have Some Fun!
12:00-1:30 Developing Innovation Centers
1:30-2:30 Using Paper Roller Coasters and the Engineering Design Process to Meet 4-PS 3-4 Energy
2:00-3:00 Saving Sea Turtle Nests: A Middle School Engineering Design Project

Programs At a Glance

Environmental Science

Tuesday

8:00-9:00	Cleared for Takeoff: Drones in Science Education - Legal, Safety, and Curricular Considerations
8:00-9:30	NGSS-aligned Lessons to Model Earth Systems, Scaffold Knowledge, and Make Connections in 3D Learning.
8:30-9:30	Ocean Acidification in the Classroom
8:30-9:30	Cultivating 21st Century Science Skills Through Creative Challenges
10:00-11:00	Climate Change, Making Connections to Kids
10:00-11:30	NGSS-Aligned Instruction Using HHMI Biointeractive Resources
11:00-12:00	AP Environmental Science - mastering the math and conquering the frq's
12:00-1:30	Teaching Earth Science? Come Get Your Hands Dirty
3:00-4:00	Hydroponics in the Classroom

Wednesday

8:00-9:00	EARTH Program Through Monterey Bay Aquarium Research Institute - Real-World Data and 3-D Learning
8:00-9:30	Marvelous Manatees: Gentle Giants of the Sea
8:30-10:00	STEM-ulating Activities on Human Ecology
9:30-10:30	NGSS and Engineering in the Environmental Science Classroom
10:00-11:30	Demystifying the 3D NGSS and STEM through the Phenomenon of Earthquakes
10:30-11:30	Cultivating the Scientific Practice of Asking Questions: Tools for Teachers and Students
11:30-12:30	NGSS, EE and You!
11:30-1:00	Teach Evolution with Confidence Using TIES Resources
12:00-1:00	Case Studies - Compelling and Engaging 3-D Instructional Tools
12:30-1:30	NGSS and Differentiation in the Environmental Science Classroom

Food Science

Tuesday

11:30-1:00	Foodborne Outbreak Investigation Using Gel Electrophoresis
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Forensics

Tuesday

11:30-12:30	Forensic Sand and Soil Analysis in Crime Scene Investigations
1:00-2:00	Forensic Tire and Foot Impression Evidence
3:00-4:00	Using Forensic Entomology and DNA Profiling to Practice Mathematics and Computational Thinking.

Wednesday

9:30-10:30	Forensic Analysis of Glass
10:00-11:00	Forensics: Who did it? What Happened to Crystal?
10-11:30	Who Is Baby Whale's Father? DNA Fingerprinting Solves the Mystery!
11:00-12:30	Chicken Decomposition/Entomology Study: Forensics, Ecology, Evolution and Animal Behavior

General Teaching

Tuesday

1:00-2:30	EdTech Throw-Down
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Integrated/General

Tuesday

8:00-9:00	Using Geo-Inquiry in Middle School Science
8:00-9:00	Using Real Time Data to Integrate Oceanography/ Meteorology
8:00-9:00	Questing in the Classroom, Using Classcraft to Motivate Learning
8:30-9:30	Managing Up: How to Educate Administrators, Parents and Community Members About Your NGSS Classroom
9:30-10:30	Uncovering Student Thinking Using the NGSS Science and Engineering Practices: Strategies that Work
9:30-10:30	Take Off the Training Wheels! - Move Students Towards Mastering NGSS Practices K-8
9:30-10:30	Breathing New Life into Classic Concepts
9:30-11:00	How to Maintain and Repair Your Microscopes, Balances and other Lab Equipment
10:00-11:00	OpenSciEd 6-8 Free Curriculum Materials
10:00-11:00	Articulation in NGSS - Practices and DCIs
10:00-11:30	Linking NGSS Core Ideas to Analogous Natural Phenomena
10:00-11:30	Engineer Your own Electrophoresis System for 3 STEM Activities
11:00-12:00	National Geographic Society Certification Workshop
11:30-12:30	Promoting Science Proficiency by Transforming Lab Activities with Argument-Driven Inquiry
12:00-1:00	Designing and Using 3-D Formative Assessments to Support Meaningful NJSL-S Investigations
1:30-2:30	NGSS District Partnership Program: Supporting Colleagues with the Implementation of the NGSS
3:00-4:00	A Better Way to Turnkey: How to Share What You Learned in Professional Development

Wednesday

8:00-9:00	Obtaining, Evaluating, and Communicating Information: Developing Authentic Lab Posters and Reports
8:00-9:00	Engaging English Language Learners in the General Education STEAM Classroom
8:30-10:00	Planning NGSS-Aligned Lessons and Assessments

Programs At a Glance

9:30-10:30	Using Portfolios in a High School Science Classroom
9:30-10:30	Using Multimedia Resources to Obtain Information in the Science Classroom (K-8)
10:00-11:00	Starla's Cover the Basics and Create the Best
10:00-11:00	Middle School NGSS Lessons that Really Work !
10:00-11:30	Designing Your own Escape the Room (ETR)
10:30-11:30	Designing and Using 3-D Formative Assessments to Support Meaningful NJLS-S Investigations
11:00-12:00	Best Practices in Content Area Classroom Libraries
11:00-12:00	Visualize Crosscutting Concepts: A Middle School Integrated Science Lesson That Works
11:00-12:00	Finding the HOW and WHY in the Lab Procedure
11:00-12:00	STARS: Experiences in Aligning Curriculum and Assessment to NGSS
12:00-1:30	Developing Innovation Centers
12:00-1:30	What an NGSS-Aligned Classroom Looks Like and Sounds Like
12:30-1:30	3D Printing Activities for Science
1:00-2:00	OpenSciEd 6-8 Free Curriculum Materials
1:30-3:00	Modeling in the 6-12 Science Classroom
2:00-3:30	Transitioning to Standards-Based Grading
2:00-3:30	Using Crosscutting Concepts to Focus Investigations and Guide Class Discussions

NGSS

Tuesday

8:00-9:00	Constructing Written Explanations: Practical Tips and Tools for Use in 9-12 Grade Science Classrooms
8:00-9:00	Cleared for Takeoff: Drones in Science Education - Legal, Safety, and Curricular Considerations
8:00-9:00	Using Geo-Inquiry In Middle School Science
8:00-9:30	CER Investigations
8:30-9:30	Cultivating 21st Century Science Skills Through Creative Challenges
8:30-9:30	Managing Up: How to Educate Administrators, Parents and Community Members About Your NGSS Classroom
8:30-9:30	Math and Science Partnership Grant: Media Specialists and Teacher Leaders Support NGSS Implementation
9:30-10:30	Uncovering Student Thinking Using the NGSS Science and Engineering Practices: Strategies that Work
9:30-10:30	Take Off the Training Wheels! - Move Students Towards Mastering NGSS Practices K-8
9:30-10:30	Breathing New Life Into Classic Concepts
9:30-10:30	Can you CER?
10:00-11:00	How to Teach GAS LAWS without Teaching!?
10:00-11:00	Data and Variability: Intermediate Strategies to Integrate Data Literacy into Science Classrooms
10:00-11:00	Climate Change, Making Connections to Kids
10:00-11:00	OpenSciEd 6-8 Free Curriculum Materials
10:00-11:00	Articulation in NGSS - Practices and DCIs
10:00-11:30	Linking NGSS Core Ideas to Analogous Natural Phenomena
10:00-11:30	Engineer Your own Electrophoresis System for 3 STEM Activities
11:00-12:00	Phenomena-Driven Lessons for the Middle School Classroom
11:30-12:30	When Student Writing Does not Reflect their Abilities
11:30-12:30	Promoting Science Proficiency by Transforming Lab Activities with Argument-Driven Inquiry
12:00-1:00	Designing and Using 3-D Formative Assessments to Support Meaningful NJLS-S Investigations
12:30-1:30	Data meets NGSS: Exploring Scope & Sequence for Teaching Data Skills in Science
1:00-2:00	Personalized Learning and the New Science Standards
1:00-2:30	NGSS - An Inroad to Inquiry
1:00-2:30	Providing Feedback to Advance Teacher Success in Science - How to Speak about 3D Learning
1:30-2:30	NGSS District Partnership Program: Supporting Colleagues with the Implementation of the NGSS
1:30-2:30	Genetic Disorder, Gene Expression, and Genetic Crosses Partner-Based Project NGSS Style
1:30-2:30	A Classroom Fossil Dig
2:00-3:30	Meaningful Models of Adaptation in Grades K-8
2:30-3:30	3-Dimensional Learning in the Elementary Classroom
2:30-3:30	Collaborative, Competitive and Relevant Engineering and Design Challenges for Middle Schoolers
2:30-4:00	Using Authentic Research Data in the Classroom to Build Students' Quantitative and Inquiry Skills
2:30-4:00	Engaging NGSS: Lessons that Work
3:00-4:00	A Better Way to Turnkey: How to Share What You Learned in Professional Development
3:00-4:00	Identifying Students Who Struggle in Silence

Wednesday

8:00-9:00	Bring on the Data! Beginning Strategies to Integrate Data Literacy into Science Classrooms
8:00-9:00	Obtaining, Evaluating, and Communicating Information: Developing Authentic Lab Posters and Reports
8:00-9:30	Using Mitotic Division to Introduce Statistical Hypothesis Testing in AP and IB Biology
8:00-9:30	Bridging to 21st Century Skills Through Engineering
8:00-9:30	Solve a Giant Panda Problem
8:00-9:30	Changing Habitats, Changing Populations
8:00-9:30	Determining the Density of the Glass in a Snapple Bottle
8:30-9:30	Measuring Science Proficiency Through a More Authentic Virtual Science Laboratory
8:30-9:30	NGSS Chemistry for Struggling Learners
8:30-10:00	Planning NGSS-Aligned Lessons and Assessments
8:30-10:00	STEM-ulating Activities on Human Ecology
9:30-10:30	Using Multimedia Resources to Obtain Information in the Science Classroom (K-8)

Programs At a Glance

9:30-10:30	Get Your Game On: Game-based Learning with Legends of Learning
9:30-10:30	NGSS and Engineering in the Environmental Science Classroom
9:30-11:00	Science and Engineering Practices in the NGSS
10:00-11:00	Amazing Informational Texts and the Next Generation Science Standards: Grades K-3
10:00-11:00	Tying Together Scale and Modeling in the Middle School Earth/Space Science Classroom
10:30-11:30	Cultivating the Scientific Practice of Asking Questions: Tools for Teachers and Students
10:30-11:30	Designing and Using 3-D Formative Assessments to Support Meaningful NJLS-S Investigations
11:00-12:00	Finding the HOW and WHY in the Lab Procedure
11:00-12:00	STARS: Experiences in Aligning curriculum and Assessment to NGSS
11:00-12:00	Best Practices in Content Area Classroom Libraries
11:00-12:00	Visualize Crosscutting Concepts: A Middle School Integrated Science Lesson That Works
11:30-12:30	NGSS, EE and YOU !
11:30-12:30	DNA Glow Lab: A New Way to Investigate DNA Structure
11:30-1:00	Infuse Math in Your APES/IB ESS or AP/IB Biology Course by Using Data Generating Games Each Day
11:30-1:00	Developing Three-dimensional Science Assessment Tasks Aligned to NGSS
12:00-1:00	Practical Modeling in the Science Classroom
12:00-1:30	What an NGSS-Aligned Classroom Looks Like and Sounds Like
12:00-1:30	Ocean Science: Hand-on Lesson
12:30-1:30	NGSS and Differentiation in the Environmental Science Classroom
12:30-1:30	Middle School NGSS Lessons that Really Work !
1:00-2:00	Engineering Design in the NGSS
1:00-2:00	OpenSciEd 6-8 Free Curriculum Materials
1:00-2:00	Single Point Rubrics in the STEAM Classroom
1:30-3:00	Modeling in the 6-12 Science Classroom
1:30-3:00	Bridge Builders: Merging STEM into Social Studies Instruction
2:00-3:00	The Argumentation Process: Training Students on How to Develop Scientific Arguments
2:00-3:00	2018 NJSTA Maitland P. Simmons Memorial Award
2:00-3:00	ES:LAB: Asking Questions and Collecting Data
2:00-3:30	Using Crosscutting Concepts to Focus Investigations and Guide Class Discussions
2:30-3:30	Scientific Literacy and Critical Thinking

Physics/Physical Science

Tuesday

1:00-2:00	Forensic Tire and Foot Impression Evidence
1:00-2:30	Effective Uses of Wireless Sensors in a 1:1 Environment: A Focus on Honors Physics and Chemistry
2:30-3:30	Collaborative, Competitive and Relevant Engineering and Design Challenges for Middle Schoolers

Wednesday

8:00-9:00	Tricked Into Thinking!
8:00-9:30	Determining the Density of the Glass in a Snapple Bottle
8:00-9:30	Phenomodeling: Providing Scaffolding for Phenomena-based Modeling
8:00-9:30	Introduction to Engineering Design for Science Instruction
8:30-9:30	Coding to Understand Friction
9:30-10:30	Forensic Analysis of Glass
10:00-11:00	Rockets and Newton's Laws Workshop - Think Like an Engineer and Have Some Fun!
10:00-11:30	Building Simple Electric Motors to Teach Engineering Design
11:30-12:30	Solubility Science: Combining Science, Technology, Language Arts
11:30-1:00	Implementing NGSS into your Middle School Physical Science Classroom!
11:30-1:00	Developing Three-dimensional Science Assessment Tasks Aligned to NGSS
1:30-2:30	Using Paper Roller Coasters and the Engineering Design Process to Meet 4-PS 3-4 Energy
1:30-3:00	NGSS Exploration of the Physics of Collisions for K-12
2:00-3:00	The Argumentation Process: Training Students on How to Develop Scientific Arguments
2:00-3:30	The Physics of SCUBA Diving

Safety

Wednesday

12:00-1:30	Green Chemistry is Safe Chemistry
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Science Leaders/Supervision

Tuesday

8:30-9:30	Math and Science Partnership Grant: Media Specialists and Teacher Leaders Support NGSS Implementation
9:30-10:30	Safety in the Laboratory: What do You Need to Know
11:30-12:30	When Student Writing Does not Reflect their Abilities
12:30-1:30	Presidential Awards of Excellence in Math and Science Teaching
12:30-1:30	Data Meets NGSS: Exploring Scope and Sequence for Teaching Data Skills in Science
1:00-2:30	Providing Feedback to Advance Teacher Success in Science - How to Speak about 3D Learning

Wednesday

10:00-11:00	Leadership Strategies and Tools Ensuring Each Student Has a STEM Future.
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Programs At a Glance

2:00-3:00	STEM Teacher - Science Teacher: What's the Difference?
2:30-3:30	I Am Passing Out Superpowers
2:30-4:00	NJSELA Annual Meeting

Scientific Literacy/ Critical Thinking

Wednesday

2:30-3:30	Scientific Literacy and Critical Thinking
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Social Studies: Economics, Innovation, and Technology

Wednesday

1:30-3:00	Bridge Builders: Merging STEM into Social Studies Instruction
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STEM/STEAM

Tuesday

8:00-9:00	Showtastic!!! Where Kids Run the Show with Fantastic Science Demonstrations!
9:30-10:30	Safety in the Laboratory: What do You Need to Know?
9:30-11:00	Using One Take Wonder Videos to Capture the Natural World for You and Your Students!
11:00-12:00	National Geographic Society Certification Workshop
11:30-12:30	Integrating Chromebook™ with Vernier Technology
11:30-12:30	Revitalizing the Computer Class with Robots
11:30-12:30	Take Your Students on a Quest.
11:30-12:30	Artificial Intelligence in the Classroom
12:00-1:00	Genes in Space STEM Contest: Your DNA Experiment in Space!
12:30-1:30	Pridential Awards for Excellence in Math and Science Teaching
12:30-2:00	3...2...1...GO! Taking off with 21st Century Skills
1:00-2:00	Makerspace for Teachers
1:00-2:00	It's STEAMY in Chemistry
1:00-2:00	Make Your Classroom a Makerspace
1:00-2:00	Personalized Learning and the New Science Standards
2:00-3:30	One Technology for All of STEAM
2:30-4:00	NASA GLOBE Mission Earth
2:30-4:00	Engaging NGSS: Lessons that Work
3:00-4:00	Hydroponics in the Classroom
3:00-4:00	STEM in Elementary Grades? Absolutely!
3:00-4:00	Teaching Biology Using Scientific Databases
3:00-4:00	Identifying Students Who Struggle in Silence

Wednesday

8:00-9:00	Engaging English Language Learners in the General Education STEAM Classroom
8:00-9:00	Tricked Into Thinking!
8:00-9:00	How We Survived a Zombie Apocalypse STEAM STYLE!
8:00-9:30	Introduction to Engineering Design for Science Instruction
10:00-11:00	Integrating Chromebook™ with Vernier Technology
10:00-11:30	Building Simple Electric Motors to Teach Engineering Design
11:00-12:00	Strategies for Teaching STEM to Bilingual Students in an Urban Setting.
12:30-1:30	Full S.T.E.A.M. Ahead: Building Equitable Next Generation Experience for Middle School Students!
1:00-2:00	Single Point Rubrics in the STEAM Classroom
1:00-2:00	Leadership Strategies and Tools Ensuring Each Student has a STEM Future.
1:30-3:00	Making Sense out of NGSS - Part II - Focusing on Phenomena
2:00-3:00	Earthquake Engineers
2:00-3:00	STEM Teacher - Science Teacher: What's the Difference?
2:00-3:30	The Physics of SCUBA Diving
2:30-3:30	Coding in the K-5 Classroom: Integrating STEM and Computer Science into Daily Instruction

Technology

Tuesday

8:00-9:00	Questioning in the Classroom, Using Classcraft to Motivate Learning
8:00-9:30	Bringing T to STEM: Integrating Technology into Teaching Elementary Science
8:00-9:30	Go On a Cell Quest! Teaching Cell Structure Through Gaming
8:00-9:30	CER Investigations
9:30-11:00	Using One Take Wonder Videos to Capture the Natural World for You and Your Students!
10:00-11:00	Atomsmith® Online: Interactive, Dynamic and Physically Accurate Modeling with Atoms and Molecules
11:00-12:30	Effective Formative Assessment Using Google Classroom and Google Forms
11:30-12:30	Artificial Intelligence in the Classroom
11:30-12:30	Integrating Chromebook™ with Vernier Technology
11:30-12:30	Revitalizing the Computer Class with Robots
12:30-2:00	Bioconservation Meets Technology
1:00-2:00	Infusing Technology into the Secondary Classroom
1:00-2:00	Makerspace for Teachers

Programs At a Glance

1:00-2:30 EdTech Throw-Down
2:30-3:30 Are You a Night Owl? A Morning Lark? The Answer May Be in Your Genes

Wednesday

8:30-9:30 Coding to Understand Friction
9:30-10:30 Effective Use of Classroom Technology
9:30-10:30 Get Your Game On: Game-based Learning with Legends of Learning
10:00-11:00 Integrating Chromebook™ with Vernier Technology
11:30-12:30 Solubility Science: Combining Science, Technology, Language Arts
12:30-1:30 3D Printing Activities for Science
1:00-2:00 Energy Quest: Where Cell Pathways ARE fun and Games
1:30-2:30 Lab in a Box: A Free Biotechnology Loaner Program from Genes in Space
2:30-3:30 Coding in the K-5 Classroom: Integrating STEM and Computer Science into Daily Instruction

Writing

Tuesday

9:30-10:30 Can you CER?