

Workshop Cross Reference List

Please refer to pages 14 - 45 for complete workshop descriptions.

KEY Primary Subject Area

Session No. Primary Audience
Workshop Title

All

C-04 All
NYSSED Update

C-17 - J-17 All
"Attend Exhibits - Representatives of Over 100 Companies, and the STANYS Store"

Chemistry

A-16 & B-16 HS
An Interactive Hands-On Forensics Workshop

B-16 & A-16 HS
An Interactive Hands-On Forensics Workshop

C-07 HS
Exploring Chemistry with Sensors

C-14 HS
Making Chemistry More Fun

D-12 HS
Is It Blood? Using Forensic Science to Understand Redox Reactions

D-15 HS
Just in Time for SMARTer Science Students

D-28 Int
FOSS Middle School Course - Chemical Interactions

E-27 HS
Environmental Chemistry of Lake Water

F-05 HS
What's In Your (Chemical) Closet?

F-15 HS
Favorite Methods of Teaching Atomic Structure

F-23 All
Origami Chemistry Projects

G-02 HS
The Chemistry of Organic Farming

G-15 HS
Demonstrations and Strategies for Teaching REDOX

H-51 HS
Chemistry Breakfast

I-04 K12
The Virtual Chemistry Lab - Computer Simulation

I-14 HS
A Picture's Worth a Thousand (Chemistry) Words: Chemical Demonstrations Preserved with Microsoft PhotoStory

I-42 & J-42 HS
Make Student Learning Connections Using the POGIL Experience

J-11 HS
How to Use Guided Inquiry to Teach Rigorous High School Chemistry

J-42 & I-42 HS
Make Student Learning Connections Using the POGIL Experience

Earth Science

A-02 HS
Using Alaska's Diverse Geology to Teach Earth Science Concepts

A-04 All
PIPEHENG: A Daytime Astronomy Program

A-27 HS
Climate Change - It's Not Just About Us

A-28 HS
Bringing Earth Science to Life

A-31 HS
Earth Science Labs, Models, and Demos

B-02 HS
PS/Earth Science Using NYS Reference Tables

B-04 All
Darwin: Biologist or Geologist, What Does History Reveal?

B-14 HS
A Survey of Eastern Adirondack Geology

B-28 HS
Comets, Asteroids, Meteorites and Impacts!

C-09 HS
Using Simple Surveying Equipment And Leveling Tools To Make Topographic Maps With Your Students

C-22 K12
Lightning... the United States' Underrated Killer!

C-24 HS
Low Tech Demonstrations for Hands-On Learning

C-26 All
What if We Only Taught Five Things? Focusing Earth Science Instruction on Bigger Ideas

C-28 HS
Learning About Global Climate Change Using Proxy Data

D-02 & E-02 Int
The Unearthing of Science Literacy

D-05 HS
Creepy and Wet Areas

D-16 Int
You Can Differentiate Your Instruction during Lab Activities

D-27 HS
How Do You Connect Students and NYS Fossils?

D-41 All
Earth Science in Hollywood: Beyond The Core

D-45 & E-45 Int
NASA's Universe Astronomy - Beyond Our Solar System (Out of School Time/Science Night Program Training)

E-02 & D-02 Int
The Unearthing of Science Literacy

E-05 HS
Tombstones - Stories Both Told and Untold

E-07 Int
Exploring Earth Science with Sensors

E-45 & D-45 Int
NASA's Universe Astronomy - Beyond Our Solar System (Out of School Time/Science Night Program Training)

F-26 All
Cookin' Up a Comet!--A MESSENGER MEM

F-31 All
Mastodons in the Muck

G-06 All
Understanding Fossils & Geologic Time

G-26 HS
Round and Round We Go!

G-44 HS
Vocabulay Challenges: Learning Vocabulary by Making Connections between the Verbal and Visual

H-52 HS
Earth Science Breakfast

I-01 HS
An Earth Science Elective That Kids Enjoy- Getting Students Interested in Science Again

I-27 Elem
Bringing Technology to Your Students

I-45 HS
Science Inclusion Classroom: Methodologies Designed to Increase Achievement among Economically, Racially and Academically Diverse Students

I-46 Int
2-8 Grade Astronomy: Connecting the Everyday with the Big Ideas

J-01 HS
Food for Thought: Earth Science Lessons Using Food

J-04 HS
Planetary Habitability and Mars

J-15 HS
Making Earth Science Connections with New York State History

J-27 All
Bringing the Field to Your Classroom with Virtual Fieldwork Experiences

J-31 Int
Connecting Your Meteorology Lessons to the Real World

J-41 HS
Data Puzzles: Using Real Earth Science Research Data in the Classroom

Elementary Science

A-05 Elem
Inquiring About Inquiry

B-03 Elem
Kids And Chemistry: Bridging the Gap with Literacy

B-41 Elem
Connecting with NASA: MESSENGER mission and the Elementary classroom

C-03 Elem
From Hands On to Minds On: Processing Activities for Elementary Students

C-27 Elem
The Roger Tory Peterson Institute: A Wealth of Science Teaching Resources

C-44 Elem
Great Ways to Motivate Upper Elementary Students: The Physical Setting

D-01 Elem
The Broken Water Cycle

D-03 Elem
Using Thermal Energy to Demonstrate Deeper Concept Understanding by Connections to Visible Models

D-07 Elem
Exploring K-8 Science with Sensors

E-01 & F-01 Elem
Science with Inexpensive Everyday Materials

E-03 Elem
A Sense of Place: Connecting the Natural and Cultural Communities

E-11 & F-11 Elem
STEM (Science, Technology, Engineering and Math) in the Elementary Classroom

E-44 Elem
Making Connections between Math and Science in the Elementary Classroom

F-01 & E-01 Elem
Science with Inexpensive Everyday Materials

Workshop Cross Reference List

Please refer to pages 14 - 45 for complete workshop descriptions.

F-03 **Elem**
Connecting Science to ELA With Digital Cameras - Create Your Own Books

F-08 **Elem**
Inquiry-It's Fundamental

F-11 & E-11 **Elem**
STEM (Science, Technology, Engineering and Math) in the Elementary Classroom

F-28 **Elem**
FOSS Program- Models and Designs

G-07 **K12**
Meeting and Exceeding the Elementary and Middle School Science Assessment!

G-28 **Elem**
FOSS Program- Water

H-55 **Elem**
Elementary Breakfast

I-07 **Elem**
Elementary Lessons on Genetic Continuity and Natural Selection

I-28 **Elem**
FOSS Program-Balance and Motion

J-03 **Elem**
A Service-Learning Project Communicates the Benefits of Good Nutrition Through Fun Activities

J-08 **Elem**
Classroom Plants — Making the Green Connection All Year Long

J-12 **Elem**
Teaching Science and Math Through Microscopy and Magnification

J-16 **Elem**
What Makes a Good Magnifier?

J-28 **K12**
Overcoming Misconceptions about Electric Current

Environmental Science

A-15 & B-15 **HS**
What Caused the Environmental Problem?

B-01 **HS**
Global Amphibian Decline

B-15 & A-15 **HS**
What Caused the Environmental Problem?

C-21 **All**
Ecological Changes in the Galapagos - The Cactus Conundrum

D-55 **K12**
Environmental Science Breakfast

E-12 & F-12 **Int**
Eco-Choices: An Ecosystem Based Game

E-24 & F-24 **Int**
Wind Energy in your Classroom

E-40 & F-40 **Int**
The Power of Water : A Look at the Impacts of Canals on River Ecology

E-41 **All**
Bat's, Birds and Butterflies: Silent Spring Revisited

F-12 & E-12 **Int**
Eco-Choices: An ecosystem-based game

F-24 & E-24 **Int**
Wind Energy in your Classroom

F-40 & E-40 **Int**
The Power of Water : A Look at the Impacts of Canals on River Ecology

G-01 **All**
Is Everything Connected? A Case Study of Lyme Disease and Food Webs

G-16 **Int**
Teaching Outside

G-42 **HS**
Alternative Energy Workshops

H-26 **HS**
A Watershed Moment-Modeling Wetlands, Floodplains and Risk Assessment

H-30 & I-30 **All**
You Can Count Birds for Science!

H-41 **HS**
Alternative Energy for Transportation: Hydrogen and Fuel Cells

H-45 **HS**
Environmental Effects of Open Pit Mining

J-05 **K12**
EarthBox Instructional School Gardens

General Interest

A-01 **Int**
Help Me, I Have a Student Teacher!

A-03 **All**
Visual and Hands-On Learning

A-07 **HS**
Exploring Biology with Sensors

A-08 & B-08 **K12**
Playing Games Fosters an Active Learning Environment

A-11 & B-11 **Elem**
Don't Give Them the Answers, Teach Them to Ask Questions

A-12 **Int**
Inquiry by Design: Houston We Have a Problem

A-14 **All**
Evidence-Based Science Instruction

A-22 **K12**
What Teachers Need More of... Time to Teach!

A-23 & B-23 **HS**
Performance Assessments in Earth Science, Physics, Chemistry, and Biology, and in Various Instructional Dimensions

A-26 & B-26 **HS**
I Teach Science, Not Literacy...Not Anymore!

A-40 **Int**
Developing Literacy and Addressing Content in Science

A-41 **All**
What's the Buzz about Twitter and Social Networking Tools? A Guide for Science Teachers

A-46 & B-46 **Int**
The Joy of Mathematics and its Inseparable Relationship to Science and Technology

A-51 **All**
Everything You Ever Wanted to Know About Grant Writing and Were Afraid to Ask or Show Me the Money!

B-05 **HS**
Making Connections with Action Research: St. John Fisher College's TLQP Grant Connection

B-08 & A-08 **K12**
Playing Games Fosters an Active Learning Environment

B-11 & A-11 **Elem**
Don't Give Them the Answers, Teach Them to Ask Questions

B-12 **Int**
Inquiry by Design: Thinking Critically in Science

B-23 & A-23 **HS**
Performance Assessments in Earth Science, Physics, Chemistry, and Biology, and in Various Instructional Dimensions

B-26 & A-26 **HS**
I teach Science, Not Literacy...Not Anymore!

B-27 **All**
NYS Science Standards and On-line Peer Reviewed Learning Experiences

B-29 **Int**
Everything Old is New Again -- Reconnecting with STS-Part 1

B-31 **All**
Do You Twitter?

B-40 **Int**
Podcasting and Student Learning

B-44 **All**
Regents Chemistry Labs, connect the lesson to the learning

B-46 & A-46 **Int**
The Joy of Mathematics and its Inseparable Relationship to Science and Technology

C-01 **Int**
Designing a Researched Based Science Project Without Mom and Dad Building a Nuclear Reactor

C-02 **K12**
Science and Literacy: Making Connections through Writing

C-04 **All**
NYSED Update

C-05 **HS**
Using Technology to Help Students Learn; Beyond Bells and Whistles

C-06 **All**
Drill and Practice: Lessons in Leadership

C-08 **All**
Your Wish Can Be Granted

C-12 **Int**
Critical Response Strategies: A Blueprint for Inquiry

C-29 **Int**
Everything Old is New Again -- Reconnecting with STS-Part 2

C-30 **All**
Animations in PowerPoint

C-40 **Int**
Interactive Science Reading and Writing Strategies in the Middle Level Classroom

C-41 **Int**
Make the Study of Science Cool with SSSNOW

C-45 **Int**
Science is Everywhere Photo Project

C-46 **All**
Colleges will Share their Latest Research and Teacher Education Projects

D-04 **All**
Cool Tools for Sound and Waves-Hands on Demonstrations

D-06 **HS**
Bring Your Science Classroom into the 21st Century

D-08 & E-08 **Int**
Making Connections Using Hands-On Activities

D-09 **HS**
Iron Teacher- Animal Behavior Edition

D-22 **K12**
Even More Demonstrations for the Classroom

D-26 & E-26 **Int**
Technology in the Classroom: Teacher Experiences

D-30 **All**
What Students Already Know, and How

D-31 **HS**
How Do You Teach Living Environment to ESL Students

Workshop Cross Reference List

Please refer to pages 14 - 45 for complete workshop descriptions.

D-40 Teach the Way Kids Learn – Adding You-Tube and other Technologies to Your Lessons.	HS	G-40 Accessing On-line Environmental Data to Construct Graphs in Excel	HS	J-06 2008 Statewide Exam Analysis	K12	E-14 Operation Shellshock: NYS Environmental Crime Investigation and Biodiversity	All
D-42 Teachable Moment	All	G-46 NYS Teachers' Retirement System: All About Retirement	K12	J-10 Using Wireless Chalkboards and Student Response Devices to Design Formative Assessment Learning Experiences	K12	E-16 & F-16 Pre-service/ Beginning Teachers Making Connections to the Living Environment Core	HS
E-04 Cool Tools for Light and Color-Hands on Demonstrations	All	H-06 Current Issues in Science Education	All	J-23 Lab Safety in the Middle School Classroom	All	E-18 Epigenetics and the Wiring and Re-wiring of Genomic Information	HS
E-08 & D-08 Making Connections Using Hands-On Activities	Int	H-07 Digital Forensics on a Low Cost Budget – Instant Comparison on Microscopy	HS	J-24 & I-24 Technology in the classroom: Teacher Experiences	Int	E-23 Horseshoe Crabs: Teaching Science Using Role Models	K12
E-09 What in Genetics, Is a Bloop?	HS	H-11 & I-11 Understanding Science through Experimental Design	Int	J-45 Using Foldables in the Classroom	Int	E-31 How Species Form: a Model Lesson to Introduce Speciation Based on Reproductive Isolation.	HS
E-22 Training Students to Teach Science: School-Museum Science Partnering	HS	H-14 Supporting Scientific Literacy through Writing Instruction	Int	L-01 Darwin Luncheon	Col	E-42 & F-42 Who's the Daddy? A Problem Based Learning Unit on Genetics	HS
E-26 & D-26 Technology in the Classroom: Teacher Experiences	Int	H-15 Enhancing Science Learning with an Interactive Science Notebook	K12	L-02 College Luncheon	Col	F-07 Using Digital Microscopes in the Classroom	All
F-04 Air Powered Projectile: A Fun, Safe and Repeatable Rocket Lab for Teaching Projectile Motion	All	H-16 & I-16 Electricity...Not a Shocking Experience	All	L-11 Retiree Luncheon	Ret	F-10 & E-10 Bio-Rad. DNA Fingerprinting and Plasmid Mapping	HS
F-09 World's Safest Dissection	HS	H-24 Technology and Curriculum	Int	L-13 NYSELA Luncheon	All	F-14 Macaw: The All New Miller/Levine Biology Program	HS
F-18 Astrobiology and Sustainability	All	H-27 BSCS Biology: A Human Approach	HS	Living Environment A-09 & B-09 HS The Evolution Unit- Lessons, Labs, Tips and Technology! A-10 & B-10 HS Bio-Rad. Determine Your Genotype with PCR A-29 HS Investigation of Learning Using Mazes A-42 HS Kidney Crisis B-06 Int Probing Students' Preconceptions: What Beginning Teachers Learned B-09 & A-09 HS The Evolution Unit- Lessons, Labs, Tips and Technology! B-10 & A-10 HS Bio-Rad. Determine Your Genotype with PCR B-42 HS Adding PhUn to your Life Science Curriculum C-10 HS Bio-Rad Genes in a Bottle™ Kit C-31 Int SuperHero Science C-42 HS Enzymes and Lactose Intolerance D-52 HS Biology Breakfast E-10 & F-10 HS Bio-Rad. DNA Fingerprinting and Plasmid Mapping			
F-25 & G-25 The Science Academic Challenge Toolkit	All	H-40 & I-40 Place Based Education	HS				
F-41 Learning is Central to a Professional Learning Community	All	H-44 Connect 4: Physical Activities, Food, Technology and Mental Constructs	Int				
F-46 Rail, Canal, Cruise and Elderhostel Travel	All	H-46 Magnets and Electricity: Making the Connection	Int				
G-03 A 3-Step Approach to Effective Questioning Skills and Higher Order Thinking	K12	I-02 & J-02 Differentiated Science Inquiry	Int				
G-04 Energize your Classroom with Discrepant Events: A little Science Magic!	All	I-11 & H-11 Understanding Science through Experimental Design	Int				
G-12 Owl Pellets (They Are What?)	K12	I-16 & H-16 Electricity...Not a Shocking Experience	All				
G-22 The Journal Journey: Discovering Science through Drawing and Writing	Int	I-18 Speciation Events: A Geological Application of that Phenomenon	All				
G-24 Science Classroom Student Management Techniques	Int	I-23 Using Flip Video Technology for Virtual Field Trips and Labs	All				
G-25 & F-25 The Science Academic Challenge Toolkit	All	I-24 & J-24 Technology in the Classroom: Teacher Experiences	Int				
G-31 Do Students in New York State Deserve a World Class Science Education?	All	I-26 Connect Core: An Interdisciplinary Approach to Project Based Learning	Int				
		I-40 & H-40 Place Based Education	HS				
		J-02 & I-02 Differentiated Science Inquiry	Int				

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Please refer to pages 14 - 45 for complete workshop descriptions.

G-45 **Int**
Writing Strategies to Use in the Science Class

H-10 **HS**
Bio-Rad. Light up your Classroom with Nobel Prize Winning Science

H-22 **HS**
Enhance Your AP Biology Presentations Using Teacher Generated and Free Resources from the Howard Hughes Medical Institute.

H-23 **All**
Animal Math

H-31 **HS**
The Aesthetic Realism Teaching Method Relates Self, Subject, World--& Students Learn!

H-42 **Int**
Acid Rain and Pollution Investigation

I-12 **HS**
Clinical Trials Show Promise in Class!

I-22 **HS**
Teacher-generated materials and FREE resources from the Howard Hughes Medical Institute to enrich your lessons on the brain, memory and nerve cell communication.

I-30 & H-30 **All**
You Can Count Birds for Science!

I-31 **HS**
Through the Aesthetic Realism Teaching Method Knowledge Opposes Anger--& Students Learn!

I-41 **HS**
Gene Therapy: An Introduction to Viral and Non-Viral Methods

I-44 & J-44 **HS**
Can You Bear It?

J-07 **HS**
CIBT- Evolving Trees and Molecular Evolving Trees

J-26 **HS**
Biology and Living Environment Lesson and Lab Share-A-Thon

J-44 & I-44 **HS**
Can You Bear It?

J-46 **Int**
Chia: an Inexpensive and Exciting New Organism for Student Inquiry in an Interdisciplinary Context

MST

A-06 **HS**
Cooperating Teachers 101: Lessons Learned!

A-24 & B-24 **HS**
Using School Power Naturally Data to Teach STEM in the Context of Renewable Energy

B-22 **Int**
STANYS Intermediate SAR's Present: Share-a-thon across the Curriculum

B-24 & A-24 **HS**
Using School Power Naturally Data to Teach STEM in the Context of Renewable Energy

D-29 & E-29 **Int**
The Solar Kit of School Power Naturally

E-29 & D-29 **Int**
The Solar Kit of School Power Naturally

F-29 & G-29 **K12**
Wind Wisdom for School Power Naturally

G-05 **HS**
Designing Crash Safe Vehicles Through STEM Integration

G-11 **All**
Using Inquiry to Teach Science

G-29 & F-29 **K12**
Wind Wisdom for School Power Naturally

H-02 **Int**
Integration of Math and Science at the Middle School Level

H-08 & I-08 **K12**
Energy Education with a Jolt of Solar

H-28 **Int**
Using SunViewer(TM) Software to Teach Renewable Energy Literacy

H-29 & I-29 **Int**
Build a Model Solar Car: The Junior Solar Sprint Program

I-08 & H-08 **K12**
Energy Education with a Jolt of Solar

I-29 & H-29 **Int**
Build a Model Solar Car: The Junior Solar Sprint Program

J-22 **HS**
Forensic Glass Analysis

L-12 **K12**
Intermediate Luncheon: Connecting with NASA: Opportunities for Intermediate Classrooms

Physics

A-30 & B-30 **Int**
It's the Law! Newton's -Or why I Want to Stay in Bed in the Morning

A-45 & B-45 **HS**
Wind and Light Measurements and Analysis for Renewable Energy

B-07 **HS**
Exploring Physics with Sensors

B-30 & A-30 **Int**
It's the Law! Newton's -Or why I Want to Stay in Bed in the Morning

B-45 & A-45 **HS**
Wind and light measurements and analysis for renewable energy

C-11 **HS**
What About Waves?

C-15 **HS**
And The Winner Is. . .

C-23 **Int**
Competing in the KidWind Challenge!

D-51 **HS**
Physics Breakfast

E-21 **HS**
Energy Car and Timer

E-28 **Int**
FOSS Middle School Course-Force and Motion

E-30 & F-30 **HS**
Physics Teacher Make and Take from Buffalo State Physics Teacher Pathways

E-46 **HS**
I'm Never Going to Need to Know This!

F-06 **HS**
Misconceptions in Physics - Reflections on Statewide Assessments

F-21 **HS**
Wave Generator

F-30 & E-30 **HS**
Physics Teacher Make and Take from Buffalo State Physics Teacher Pathways

F-44 **HS**
No Yolk Momentum Labs

G-14 **HS**
The Mettle of Metals: Their Properties Revealed

G-23 **HS**
36th Year of Physics Demonstrations at STANYS

H-01 **HS**
Ten Demos Every Physics Teacher Should Do

H-05 **Int**
Electrifying Connections: Science Teacher Education that Walks the Talk of Inquiry-Based Science

H-09 **HS**
Arecibo's Giant Mirror

I-09 **HS**
Nature of Resistance

J-09 **HS**
Stunt Car Challenge

Science Research

A-44 **Int**
How can Urban Advantage Help you Teach Long Term Scientific Investigations to Middle School Students?

A-55 **HS**
Forensic Science for High School: An Inquiry-rich Curriculum

C-16 **HS**
Science Research in the High Schools

G-27 **Int**
Inquiry Investigations™ Forensics Science Curriculum Module and Kits

H-03 & I-03 **HS**
Bringing Nanotechnology Research to the Classroom

H-04 **Int**
Science Olympics Day

I-03 & H-03 **HS**
Bringing Nanotechnology Research to the Classroom

I-06 **Col**
Student Teacher Preparation - Regents Readiness

Supervision/ Administration

D-11 **Sup**
Improving your Science Program through Curriculum Review

D-14 **K12**
Vertical Communication - You Don't Say! (Keys to Dynamic Interactions)

E-06 **Col**
Student Response Systems - Implementation and Use in Colleges

