

Science Curriculum and Resource Implementation Update

Board of Education Presentation

Presenters

Deb Perryman, K-12 Science and Planetarium Coordinator

Vince Fosco, Science Instructional Coach

Jesse Semeyn, Science Instructional Coach

Dr. Trisha Shrode, Director of Curriculum and Instruction

April 9, 2018



Purpose

- ▶ The purpose of this presentation is to provide an update of the Science Curriculum and Resource Implementation across School District U-46.



What students are learning?



Instruction delivered via hands-on multisensory inquiry activities

- ▶ Content
 - Physical Science
 - Life Science
 - Earth and Space Science
- ▶ Skills
 - Science and Engineering Practices
 - Inquiry



Curriculum vs Resources

▶ Curriculum

- U-46 Teachers
Selected NGSS
Standards to support
Life, Physical, Earth
and Space Science
embedded in science
practices.



▶ Resources

- K, 3rd, 4th-National Geographic
- 1st, 2nd -Pearson
- 5th, 6th, High School-
Houghton Mifflin
Hardcourt
- Middle School-
Carolina
- High School- Vernier

Curriculum and Resource Professional Development

- ▶ Workshops provided by publishers and vendors
- ▶ SBLA 1 Workshop
- ▶ SBLA 2 Workshop
- ▶ K–6 Science Content Boot Camps
- ▶ K–6 Inquiry & Lab Procedures Boot Camps
- ▶ 7th and 8th Grade Meet-Ups
- ▶ Middle School, High School Lunch and Learns
- ▶ Golden Apple STEM Institute Fellows Program



Instructional Meeting Feedback

- ▶ The feedback we gathered made it clear that our teams of original Early Implementers wanted to revise the current Performance tasks and incorporate the newly adopted resources.
- ▶ Additionally, the district adopted Defined STEM which we are using to create three common Performance Tasks for each grade level.



Science Instructional Coaches



- ▶ Support Individuals & PLC's
- ▶ Model Lessons
- ▶ Co-Teach
- ▶ Resource & Tech Integration
- ▶ SBLA & Reflective Practice Support
- ▶ Content Support
- ▶ U-46 Curriculum Alignment
- ▶ Provide PD
- ▶ Community Meetings & Outreach

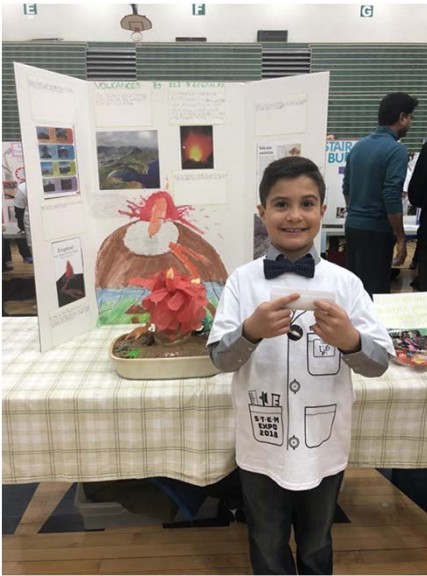
Science Working Groups

- ▶ K–12 Early Implementers
- ▶ Golden Apple STEM Institute Fellows
- ▶ AP Science SBLA
- ▶ Honors Biology, Chemistry, Physics
- ▶ Science Electives– Geology, Physical Science, Environmental Science
- ▶ AP Environmental Science Selection



STEM Expo

February 24th, 2018
500 Participants at the 4 kick-off events
Over 300 student projects showcased
Over 1,000 attendees
Volunteer base from all over School District U-46



National Biodiversity Teach In



National Biodiversity Teach In 2018

Final Numbers

35 Webinars

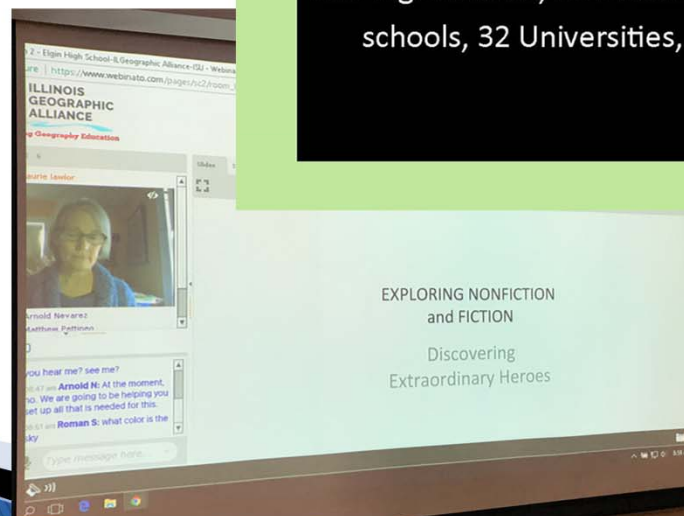
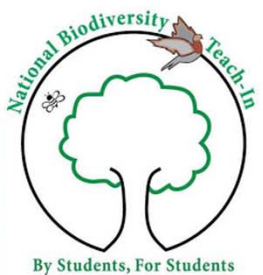
25,737 Participants

26 States— IL, OH, WI, WA, MA, CO, KS, IA, PA, OR, MN, FL, UT, GA, TX, OK, CA, NJ, NC, NY, AL, WV, ME, CT, VA

Countries: United Kingdom, Spain, Brazil, Russia, Ukraine, Mexico, Canada, Albania, New Zealand, Germany, Greece, Bahamas

We reached:

189 High schools, 21 middle schools, 46 elementary schools, 41 Home-schools, 32 Universities, and 39 organizations or private citizens



Planetarium Public Show

**Elgin School District U-46
Planetarium presents:
Public Sky Shows
Wednesday, May 9, 2018**

*Learn about the historical connection
between the Elgin National Watch
Company and the U-46 Planetarium,
along with a detailed look at the night
sky with star charts.*

4:30-5:30 p.m. Program in the
Planetarium Chamber, tour the building
before or after the show

6:30-7:30 p.m. Program in the
Planetarium Chamber, tour the building
before the show

Doors open at 4:00

Discretion is advised for visitors aged 6 and
under due to time in darkness and sitting for
program.

Elgin School District U-46 Planetarium

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School District U-46
Planetarium

**Self-guided
building tours
available
before both
presentations,
so come
early!**

Admission:

**\$3.00 per person or
\$10.00 max per
family, cash only**

- No reservations
- Seating limited
- Free parking at
Raymond St. and
National St., one
block away. No
parking on Watch
St. or private lots.

