

2013-2014



PAST
InnovationLab
access through education

ANNUAL REPORT



WHERE WE SAW NEW GROWTH



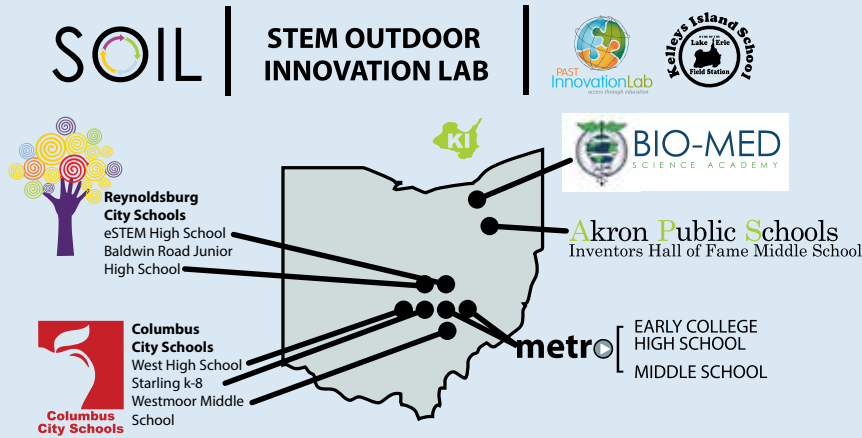
The Goals of SOIL (STEM Outdoor Innovation Lab) & Growing SOIL



The goals PAST set for the Straight A fund SOIL Grant are to:

- Expand the opportunities for students and teachers to experience Transdisciplinary Problem-Based Learning (TPBL)
- Utilize underused space at schools around Ohio by taking learning outside - change of place, change of pace
- Create a TPBL-based ecosystem field station where students and teachers could explore and learn together

The PAST SOIL Program



Jan 2014
Planning begins for 9 SOIL schools in Central and Northeast Ohio

Jan-Jun 2014
PAST delivers P3 PD to 18 Teachers in SOIL grant

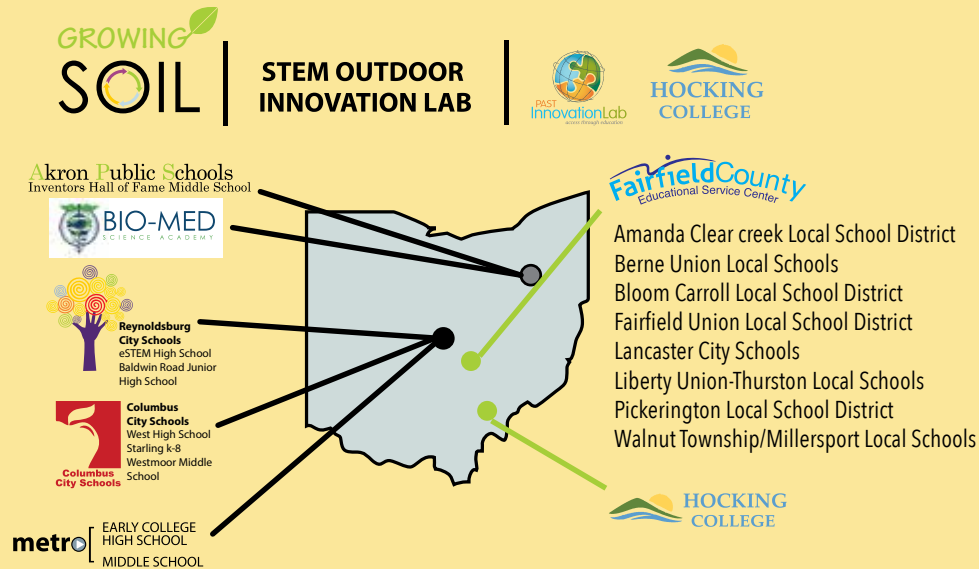
Feb-Aug 2015
PAST oversees construction of 9 SOIL outdoor labs

Mar-Jun 2014
PAST coordinates Bridge Programs for 240 students and 18 teachers from 9 Ohio schools at the Kelleys Island Field Station

May 2014
PAST sets a deadline of August, 2014 for all 9 SOIL projects to be completed

Aug 2014
The PAST SOIL program is a SUCCESS

The PAST Growing SOIL Expansion



Sep 2014
Planning begins for the expansion of the 9 SOIL schools in Central and Northeast Ohio and expands to 6 new schools in Southeast Ohio

Sep-Dec 2014
PAST delivers P3 PD to 30 Teachers and various administrators via Growing SOIL grant in the 6 new schools

May-Dec 2014
PAST oversees the planning, expansion and construction at the 9 SOIL schools and 6 new SOIL schools

Sep-Dec 2014
PAST begins the coordination of 6 new Bridge Programs at Hocking College for 120 students and 12 teachers from the 6 Southeastern Ohio schools

May 2014
PAST sets a deadline of December, 2014 for all 9 SOIL schools to be expanded and the 6 new SOIL labs to be planned and their partners identified

Jun 2015
The PAST Growing SOIL project is a SUCCESS





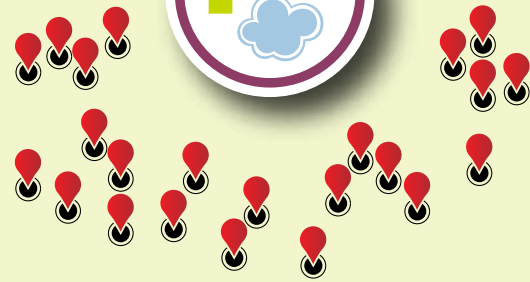
NATIONAL REACH



Exploring with Dr. Sheli:

Yukon Gold Rush
Steamboat Survey
Dawson City, AK

The Gulf of Mexico
Shipwreck Corrosion,
Hydrocarbon Exposure,
Microbiology, and
Archaeology project
(GOM-SCHEMA)
New Orleans, LA



- 4-Week Hybrid Program
- Podcast Module
 - Reading Activity
 - Virtual Brainstorm

PAST continues to offer P3 to online participants from three different states and timezones in 2014 and increasing engagement numbers. P3 is poised to continue to grow into the new year.

GRANTS & CONTRACTS

STRAIGHT A FUND

FAST FORWARD Fairfield Advancing Students & Teachers Forward



MATH MATTERS

GROWING SOIL | STEM OUTDOOR INNOVATION LAB



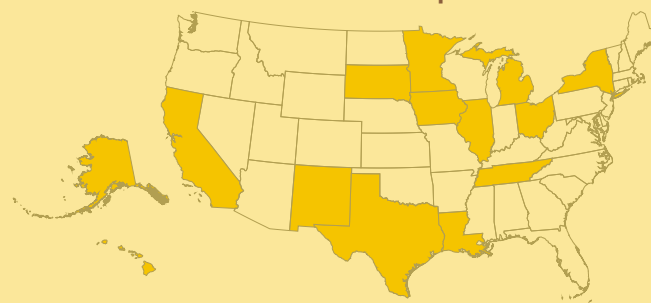
In 2013-2014 PAST was involved in two rounds of Straight A Fund grants around Ohio.



In 2013-2014 PAST was involved in multiple grants to provide STEM-based TPBL camps to kids and teachers in South Dakota.



PAST on the Map



States Impacted by PAST

PARTNERSHIPS



In South Dakota PAST continues to partner with the CGI America.



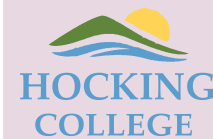
With SDIL PAST provided innovative TPBL camps to teachers and students.



Partnering with DWU, PAST offers a Masters Program in STEM Instruction.



PAST Professional Development (PD) & Knowledge Capture (KC) teams are working with Clean Tech Early College High School to develop innovation in their school in New York.



PAST is working with Hocking College to offer STEM Outdoor Innovation Lab program to teachers and students in Appalachia.

PAST continues to partner with Shadowbox Live to offer STEM Rocks the Box and STEM access to the arts.



shadowboxlive

PAST continues to partner with COSI on the Rube Goldberg Challenge, and launched an Underwater ROV Challenge with BOEM & C&C Technologies.



PROGRAMMING



Bridge Programs



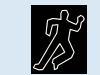
Kelley's Island Field School

Limnology Botany Birds



Field Programs in OH & SD

Art & STEM Limnology Robotics Botany Birds



FITC

Forensics in the Classroom in OH & SD



Minecraft Mathematics in OH & SD



shadowboxlive

Shadowbox Bootcamp in OH



Design Challenges



Spring Fling



shadowboxlive

Shadowbox Live

- STEM Rocks The Box
- Shadowbox Bootcamp



cma columbus museum of art
Cardboard Challenge



RUBE
Rube Goldberg Design Challenge



ROV CHALLENGE
Underwater ROV Design Challenge



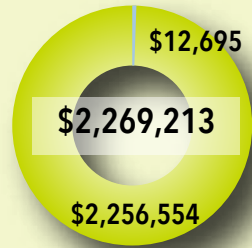
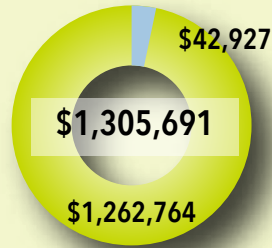
COSI
Center of Science and Industry
Rube Goldberg Design Challenge



NUMBERS

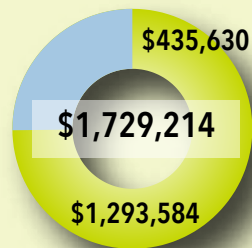
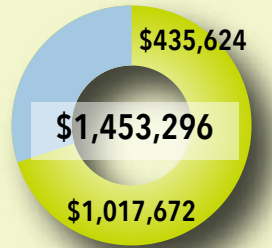
REVENUES AND EXPENSES

2013 Annual Revenue 2014 Annual Revenue



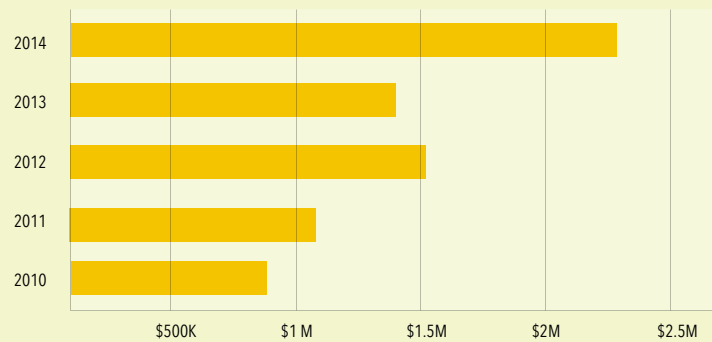
■ Earned
■ Contributed

2013 Annual Expenses 2014 Annual Expenses



■ General Operating
■ Education Programs

REVENUE GROWTH OVER FIVE YEARS

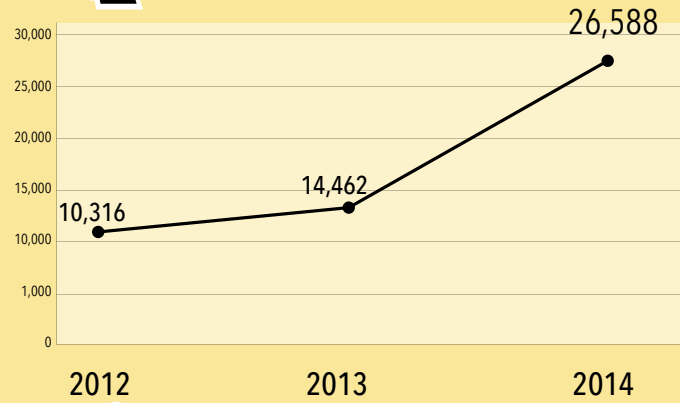


BRIDGE PROGRAMS

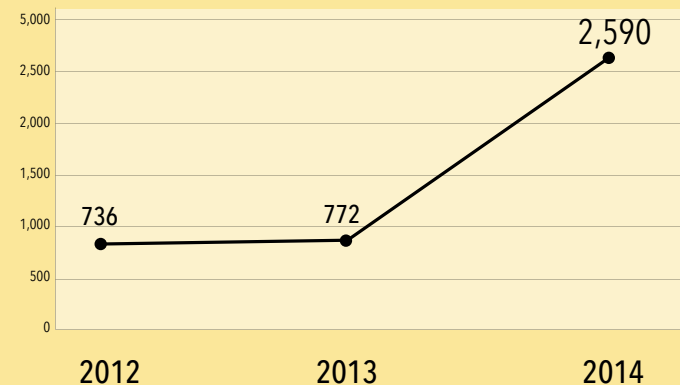
Every year the PAST Foundation and its partners host bridge programs, design challenge projects and workshops. In 2014 PAST began running multiple Bridge Programs and Design Challenges in various states and in multiple topics and venues. Bridge Programs offered in 2013: 8
Bridge Programs offered in 2014: 24

GROWTH

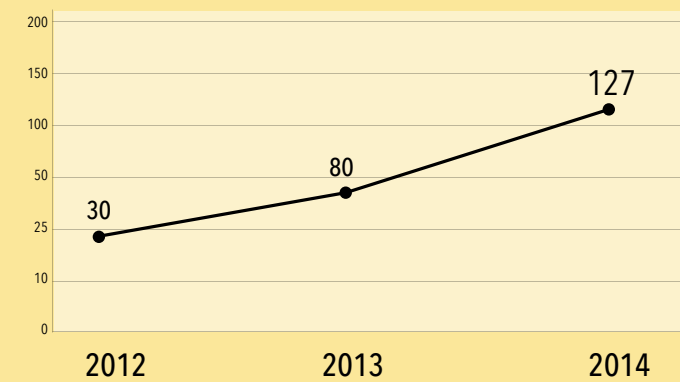
IMPACTED STUDENTS



TEACHERS ENGAGED IN PD



SCHOOL DISTRICT CONTRACTS



School Districts
58.7% Growth



Impacted Students
83.8% Growth



Teachers in PD
235% Growth

HISTORY

PAST AND THE PRESENT

- 2014**
 - 20 of the 34 Bridge Programs are hybrid programs
 - P3 Workbook Third Edition is published
 - P3 is now an online hybrid program
 - PAST Innovation Lab founded
 - South Dakota Innovation Lab (SDIL) is rebranded
 - CGI highlights PAST as an outstanding example of a STEM leader in rural America
- 2013**
 - P3 Workbook Second Edition published
 - PAST Foundation active in 15 schools
- 2012**
 - First hybrid student-teacher Bridge Program launches in South Dakota
 - South Dakota Innovation Lab (SDIL) is launched
- 2010**
 - P3 Workbook First Edition published
- 2005**
 - PAST begins working in STEM schools
 - PAST begins working in urban, suburban, rural and frontier schools
- 2003**
 - PAST creates the first teacher TPBL module
- 2000**
 - PAST launches the first STEM bridge program

SERVICES



Planning



Transform School Design



Envisioning Change



Professional Development



Inspiring Learners



Onsite/Online Training



Pre-service New Service Teacher Training



Business, Industry and Community Partnerships



Adapting and Developing New Learning Strategies



Problems Projects Products



Onsite PD



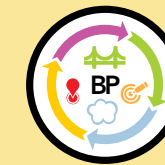
Online PD



Virtual Brainstorms



TPBL Implementation



Bridge Programs



Linking Learning To Life



Design Challenges



Bridge Programs



Knowledge Capture



Dialogue & Observation



Focus Groups



Interviews



Reports and Documentation



Analysis



PAST Leadership



Annalies Corbin, PhD
President and CEO



Sheli Smith, PhD
Director of Programs



Monica Hunter, PhD
Director of Research

PAST Support Team



Diana Wolterman
Accounts Manager



Pam Andrews
Executive Asst.



Alyssa Reder
Administrative Asst.

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PROFESSIONAL DEVELOPMENT



Kat Deaner



Brian Coffey



Elliot Mork



Ketal Patel

BRIDGE PROGRAMS



Beth Witte



Steve Lewis



Ashley Bloom



Andy Bruening

KNOWLEDGE CAPTURE



Maria Greene-Cohen



Meghen Matta

MARKETING & PROMOTION



Lori Trent



Jim Bruner



Ruth Perry



Claudia Trusty

SOUTH DAKOTA INNOVATION LAB



Mari Biehl



Jeff "Slim" Schneider



Mary Schneider

