

LEARNING TOGETHER

A DECADE OF COLLABORATION AND INNOVATION ACROSS GREATER PITTSBURGH AND WEST VIRGINIA

remake
learning


MISSION:

Remake Learning is a network that ignites engaging, relevant, and equitable learning practices in support of young people navigating rapid social and technological change.

When learning is engaging, learners have the time, resources, support, environment, and encouragement to be active problem-solvers, creators, innovators, advocates, and citizens.

When learning is relevant, it resonates today with a learner's interests, culture, context, community, identity, abilities, and experiences, while allowing room for exposure and growth.

When learning is equitable, more supports and opportunities are afforded to those of greatest need.

A group of children, including a girl in a striped shirt and a boy, are gathered around a tablet, looking at the screen with interest. The background is a soft, purple-tinted image of the same scene.

A lot has changed since 2007. Smartphones have gone from novelty to utility. Media has gone from one-way consumption to two-way participation. Autonomous vehicles have gone from film screens to the streets of Pittsburgh. Apps go from beta to ubiquitous in the blink of an eye.

Each of these innovations has made an incremental change in our daily lives. But looking back on the past decade as a whole reveals a transformation that's remade our world. And, over the same period, similar changes have been underway in teaching and learning.

But innovation in education isn't about creating a best-selling gadget or launching a hit product. It's about helping people share and spread new ideas, techniques, and values. It's harnessing the assets of an entire community to address one of our country's most pressing challenges.

In the greater Pittsburgh region, we've spent the last 10 years rethinking our methods of instruction. We've created new approaches to engage, inspire, and empower students to learn. We've built lasting partnerships between schools, community centers, and ed-tech entrepreneurs.

We started as an experiment in collaboration among a few educators, researchers, mentors, and many caring adults. We've become a cross-sector movement impacting thousands of lives in southwestern Pennsylvania, West Virginia, and eastern Ohio.

As we enter our second decade with a renewed vision for where the future might take us, we pause to share stories and evidence of the impact members of the Remake Learning community have made during our first 10 years of learning together.

Rethinking Where, How, and Why Learning Happens

What does it mean to remake learning? How do we prepare today's learners and educators for a tomorrow we can't begin to imagine? How do we make the most of this moment in time? How do we celebrate and support kids' inherent curiosity and creativity? How do we make sure the benefits of innovation reach all children, especially those in greatest need?

These are the questions Remake Learning has spent the past decade asking. Together with members of our community, we've built a movement that creates space and time not only to ask these questions, but to explore ways that we might answer them.

New Horizons of Learning

Members of our community have explored new ways of teaching. Along the way, they've expanded the traditional definition of learning.

STEM

Science, Technology, Engineering, and Mathematics—collectively known as STEM—are essential subjects for every student. To support high quality STEM learning throughout the region, Remake Learning convened 34 organizations to form the Pittsburgh Regional STEM Ecosystem.

Maker Learning

The maker movement combines traditional hands-on crafts with modern tools and materials. Making helps learners develop technical skills and inquisitive dispositions. Remake Learning members have established more than 170 makerspaces, including more than 100 in public schools.

Digital Literacy

Technology is reshaping our world. Remake Learning members believe today's learners need to be able to shape technology. That's why they're leading digital literacy workshops for young children (and their parents), coaching coding after school, and starting K-12 computer science programs.

STEAM

When you add an "A" for the arts to STEM, it becomes STEAM, an integrative approach that combines critical thinking with creative production. Remake Learning has been at the forefront of efforts to go from STEM to STEAM. Members like the Arts Education Collaborative work with school teachers and out-of-school educators to embrace the arts as a critical part of all learning.

Making All Learning Count

Not every lesson is learned in a classroom, but most students can't get credit for what they learn outside of school. More than 50 learning programs in the Remake Learning network have used digital badges to recognize and reward learning no matter where or when it happens.



LEARNING TOGETHER

MORE THAN

MAKERSPACES



15

Remaking Learning in the City

Pittsburgh is the urban core of our region. Like many cities in America, it has experienced massive changes caused by economic trends, demographic shifts, and technological innovation. Where Pittsburgh was once written off as a Rustbelt relic, the city is now looked to as a model of reinvention. This is a story that's been told before. One part that is often left out is the remarkable work underway to help young people prepare to become the leaders of tomorrow's Pittsburgh.

Teachers, mentors, librarians, teaching artists, and caring adults recognize the importance of making sure Pittsburgh's youth stand to benefit from the city's improved fortunes. These are the people who make Remake Learning tick. It's Remake Learning's job to lift up the city's educators, connect them with new resources and opportunities, and help them reach as many kids as possible.

Pittsburgh Public Schools

Pittsburgh Public Schools (PPS) is the region's largest urban public school district. PPS has committed to innovation district-wide, starting with two STEAM magnet schools, as well as STEAM programs at three neighborhood schools where students experience creative cross-disciplinary learning.

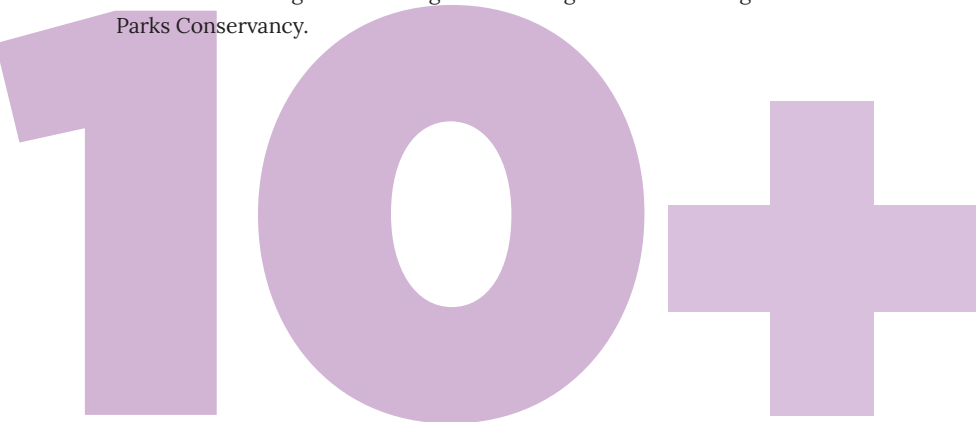
And at PPS Langley K-8, teachers and school leaders worked with maker educators from the Children's Museum of Pittsburgh to turn an out-of-use metal shop into a 21st-century makerspace.

Learning Doesn't End When the Bell Rings

In neighborhood learning spaces like Assemble in Garfield, ALEC in Allentown, Center of Life in Hazelwood, and Ryan Arts Center in McKees Rocks, kids are learning to code video games, solder circuits, and play music alongside snack time and homework help. And in the summer, they're learning the art and science of entrepreneurship with Startable Pittsburgh or restoring urban ecologies with Pittsburgh Parks Conservancy.

Honoring Youth Voice

Wherever they are learning, young people can raise their voices and be heard. Remake Learning members help young people advocate for social progress through programs like Hear Me and Youth Leading Change. Media making opportunities abound, from music production with YMCA Lighthouse Project to radio and podcasting with Saturday Light Brigade, and film production with Steeltown Entertainment Project.



**PARTICIPATION BY YOUTH
IN OUT-OF-SCHOOL
PROGRAMMING ACROSS
ALLEGHENY COUNTY IS
10 PERCENTAGE POINTS
HIGHER THAN THE
NATIONAL AVERAGE.**

“We know our kids learn best when they have the opportunity to explore and be creative.”

DR. RODNEY NECCIAI
PRINCIPAL, PITTSBURGH LANGLEY K-8



LEARNING TOGETHER

“As a high school student, one of the most important things to me is being able to make connections. Remake Learning connects a wide range of programs that offer accessible platforms in my own city. Without opportunities like these, I never would have been able to explore where my interests could take me.”

ZAINAB ADISA
STUDENT



While a student in Pittsburgh Public Schools, **ZAINAB ADISA** found opportunities to put her passion for storytelling into practice and at the same time develop career skills in media production through her participation in the Steeltown Entertainment Project. She credits Remake Learning with expanding access to creative learning opportunities for kids in Pittsburgh, and challenges the network to do more in the years ahead.

Remaking Learning in the Suburbs

Innovation isn't limited to the urban core. In the suburban communities surrounding Pittsburgh, Remake Learning members are cultivating local teaching talent, importing expert advice, and exporting best practices in education innovation. Among them are some of the country's most innovative school districts.

Through their participation in Remake Learning, these schools find new ways of connecting, so they don't just meet as rivals on the football field, but as collaborators in designing K-12 systems for the 21st century.

One Classroom at a Time

Suburban school districts are shaking up the traditional notion of a classroom, introducing everything from simulators to escape rooms. With support from Remake Learning, seven school districts formed the Pittsburgh SMALLab Consortium to share best practices and codevelop lessons for embodied learning.

Since 2009, the Allegheny Intermediate Unit and Intermediate Unit 1, both state education service agencies and key Remake Learning partners, have provided **more than \$5 million in STEAM grants to help more than 150 schools** across the region turn traditional classrooms into collaborative design studios, digital fabrication shops, hack labs, and media making hubs.

Learning the New World of Work

New technologies like 3D design and rapid prototyping have transformed how work happens. Remake Learning members have responded by remaking the workforce development pipeline. Schools and job training agencies challenge students to develop technical skills and get excited about future career opportunities.

"I'm learning how to do a lot of things that I wouldn't have ever had the chance to do. It teaches you a lot about teamwork. And it's just a lot of fun."

ANASTASIA SNOWDEN
LITTLE LADY BUGS
TEAM CAPTAIN

In Clairton, a postindustrial community on the outskirts of Pittsburgh, **ANASTASIA SNOWDEN** captains her high school's all-girls robotics team, the Little Lady Bugs. Together with seven of her classmates, she designs, builds, and tests robots that compete in the Southwestern Pennsylvania BotsIQ tournament. The experience opens up new career possibilities for students, including apprenticeships with regional manufacturers and a pipeline to engineering programs. Anastasia isn't quite sure whether she wants to be an engineer when she grows up, but she says the experience is worth it no matter where her future takes her.





MORE THAN 150 CLASSROOMS TRANSFORMED



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Remaking Learning in Rural Communities

Remake Learning's reach extends into rural Pennsylvania, West Virginia, and eastern Ohio. These Communities are often left out of the conversation when it comes to technology, innovation, and the future of learning. Remake Learning helps educators and learners in rural communities tap into new resources, build on what's working, and share with their peers in urban communities.

Connecting Campuses & Communities

University partnerships are powering innovation in rural communities. The CREATE Lab, a robotics and technology development lab at Carnegie Mellon University, formed the CREATE Lab Satellite Network in partnership with five regional schools of education and professional development agencies to help current teachers and teachers-to-be discover how they can use technology for learning. Since its founding in 2011, the Satellite Network has reached more than 8,000 students in more than 100 schools across southwestern Pennsylvania and West Virginia.

CREATE Lab Satellites at the June Harless Center at Marshall University, the Center for Arts & Education at West Liberty University, and the Mountaineer Educational CREATE Center at West Virginia University help pre-service and in-service teachers build their capacity to use technology in the classroom, learning firsthand about what works and what doesn't.

Modernizing Career and Technical Education

Project Lead the Way is a national engineering program that combines student interest in hands-on learning with training for in-demand skills. Remake Learning members like Chartiers Valley School District have used Project Lead the Way to bring new life to their career and technical education programs. Now, Chartiers Valley is a national training center for Project Lead the Way and the district has partnered with the West Virginia University College of Engineering to bring Project Lead the Way to more than 50 schools in western Pennsylvania, eastern Ohio, and northern West Virginia.

Going Mobile

To expand opportunities for students in rural communities to experience digital and maker learning activities, members of the Remake Learning community operate at least seven Mobile Fab Labs to take innovation on the road. The Intermediate Unit 1 Mobile Fab Lab, which serves school districts in three rural counties in Pennsylvania, makes school-year visits to districts and community learning spaces without the resources to outfit their own permanent makerspace.

Where STEM and Agriculture Meet

Farming and food production is a way of life in many rural communities. As with other fields, future careers in agriculture will demand highly skilled and knowledgeable professionals with a mix of practical skills and scientific expertise. In Fayette, Greene, and Washington counties, a consortium of schools created aquaponics labs to introduce students to the science and business of agriculture.

Re-energizing Rural Economies

For communities in Appalachia's coal country, economic, environmental, and demographic changes have renewed focus on the future of energy in the region. Marshall County School District in West Virginia developed a high school learning lab for sustainability studies, while Central Greene County School District in the extreme southwest corner of Pennsylvania developed a natural resources curriculum to prepare its students to make the most of the rise of the natural gas industry in the area.

"It was like a field trip at my own school."

MEREDITH BRIAN

STUDENT AT TRINITY MIDDLE SCHOOL

MOBILE FAB LABS TAKE INNOVATION ON THE ROAD

Helping Educators, Changing Practices

Remake Learning is of service to educators, whether they're teaching in classrooms, guiding early learners in child care centers, working with youth in after-school programs, or mentoring young minds in libraries and museums.

Supporting educators to achieve their own innovative potential is a major focus of Remake Learning. Educators can choose from several hundred professional development opportunities offered each year, including workshops, peer networks, one-on-one mentorship programs, and summer seminars—the vast majority of which are free. Hosted in classrooms, makerspaces, and online, each program strives to do for educators what educators do for students: instill a sense of wonder, possibility, excitement, and ownership.

Remaking Professional Development

Since first opening its doors in 2013, transformED at the Allegheny Intermediate Unit's headquarters in the Mon Valley has hosted more than 225 sessions, training approximately 5,300 teachers from 88 school districts in the use of new tech tools and instructional methods.

Teachers trained in transformED can access a free STEAM Lending Library equipped with more than 1,000 teaching tools that support innovative teaching and learning in the classroom, including Osmos, Hummingbird Robotics kits, Puzzlets, and littleBits.

And in 2016, transformED opened a second location to make it easier for educators to attend innovative professional development training sessions near them.

Remaking Summer for Teachers

Every summer, teachers in the Pittsburgh region dive headlong into innovation at intensive professional development “boot camps” led by members of the Remake Learning community.

Studio A at Avonworth School District combines design thinking with project-based learning.

Pittsburgh Fab Institute at Elizabeth Forward School District focuses on the intersection of the digital and the physical.

STEAM Learning Institute at South Fayette School District helps educators integrate science, technology, engineering, the arts, and mathematics.

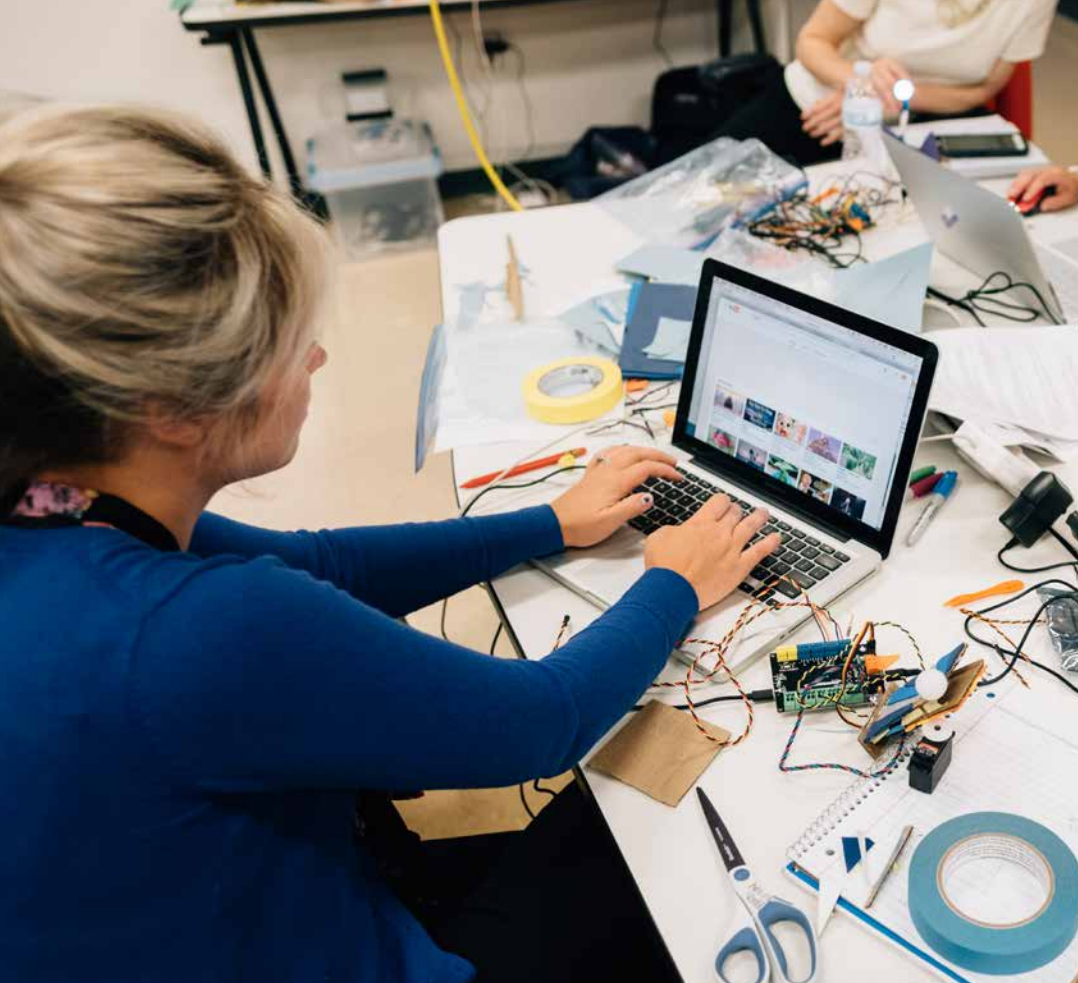
Maker Educator Boot Camp at the Children's Museum of Pittsburgh introduces educators to the power of the maker movement. The Children's Museum has also led Maker Educator Boot Camps across West Virginia's Makerspace Network in partnership with the Education Alliance.

Expanding Innovation

To help school administrators share their expertise with one another, Remake Learning launched Expanding Innovation, a new kind of professional development experience that partners district leaders with out-of-school education leaders. These leaders work together in small teams to create “small hacks”: small changes that lead to larger innovative goals.

In its first year, Expanding Innovation forged 17 partnerships, creating opportunities for under-resourced urban, suburban, and rural districts to access new resources and help shape the conversation around innovation.

LOCAL ORGANIZATIONS OFFER INNOVATIVE PROFESSIONAL DEVELOPMENT



REMAKE LEARNING PROFESSIONAL DEVELOPMENT PARTNERS:

AGENCY BY DESIGN

APPLE EDUCATION

CODE.ORG

COMMON SENSE MEDIA

DIGITAL HARBOR FOUNDATION

EDTECHTEAM, INC.

GAMES FOR CHANGE

GOOGLE FOR EDUCATION

HARVARD GRADUATE SCHOOL
OF EDUCATION'S PROJECT ZERO

INSTITUTE OF PLAY

KABOOM!

LUMA INSTITUTE

MOUSE

PROJECT LEAD THE WAY

SCHOOL RETOOL

SMITHSONIAN LEARNING LAB

US FAB LAB NETWORK

MORE THAN 900 EDUCATORS
REPRESENTING 100 DISTRICTS
AND PROVIDERS HAVE
PARTICIPATED IN SUMMER
INNOVATION INTENSIVES
SINCE 2013.



34 SCHOOL DISTRICTS HAVE
ADDED INSTRUCTIONAL
INNOVATION STAFF



Building a Network of Support

A network like Remake Learning derives its strength from its members. In turn, Remake Learning provides a supportive infrastructure to help its members do what they do best.

Starting in 2011, The Sprout Fund, a nonprofit focused on catalyzing new community initiatives, worked with Remake Learning members to develop a network of support that could **convene** diverse people and organizations around a shared vision, **catalyze** new and innovative learning experiences that were equitable, engaging, and relevant to learners, and **communicate** the impact of Remake Learning on children, youth, families, and educators.

The result? A new kind of collaborative community—an ecosystem where educational innovation can thrive.

Convening a Community

Remake Learning has worked steadily to bring together a diverse cross section of community members committed to creating equitable, engaging, and relevant learning experiences for all youth. Through their participation in Remake Learning, network members connect and exchange knowledge across sectors, grow their own professional capacity, and help to shape the vision and direction of the network.

65 NETWORK EVENTS LARGE AND SMALL, ENGAGING MORE THAN 2,000 NETWORK PARTICIPANTS SINCE 2009.



Catalyzing Innovation

Remake Learning has built partnerships with local and national funders to provide network members with the means to put their ideas into action. Through responsive small-scale grants for pilot projects and strategic funding initiatives to propel broader change, Remake Learning powers new learning experiences for young people in and out of school.

\$3.1 MILLION INVESTED BY THE SPROUT FUND TO CATALYZE INNOVATIVE LEARNING PROGRAMS, EVENTS, AND EXPERIENCES SINCE 2009.

Communicating Change

Remake Learning has created platforms to amplify the voices of educators, youth workers, researchers, technologists, and community leaders who have something to say about the future of learning. By capturing stories of learning innovation and sharing knowledge among network members, Remake Learning helps its members join a global conversation.

876 STORIES OF LOCAL LEARNING INNOVATION PRODUCED AND SHARED SINCE 2012.

Network Stewardship

Today, a small team of Remake Learning staff members and partners provide day-to-day support to network members, coordinate working groups and special initiatives to direct the network's energies, and champion Remake Learning in the regional community and at the state and national level.

The Remake Learning Council, a distinguished panel of more than 40 regional leaders from the education, government, business, and civic sectors, provides strategic guidance and builds support for the network.



2007

A small group of educators, technologists, and community leaders start meeting over breakfasts of pancakes and coffee to talk about the future of learning.

FIRST STEPS & EARLY EFFORTS

THE GRABLE FOUNDATION

BENEDUM FOUNDATION

PITTSBURGH TECHNOLOGY COUNCIL

APOST
ALLEGHENY COUNTY LIBRARY ASSOCIATION
CONSORTIUM FOR PUBLIC EDUCATION

ALLEGHENY INTERMEDIATE UNIT

MENTORING PARTNERSHIP OF SOUTHWESTERN PA

Local foundations make initial investments in pilot projects combining digital technology and early learning.

Major regional stakeholders make institutional commitments to learning innovation.

Universities get involved, bringing cutting-edge technology and research into the learning sciences.

CARNEGIE SCIENCE CENTER
PROPEL SCHOOLS
SCHELL GAMES

UNIVERSITY OF PITTSBURGH

ENVIRONMENTAL CHARTER SCHOOL
YMCA

PAEYC

UNIVERSITY OF PITTSBURGH LEARNING RESEARCH & DEVELOPMENT CENTER
CARNEGIE LIBRARY OF PITTSBURGH

CARNEGIE MELLON UNIVERSITY
CHILDREN'S MUSEUM OF PITTSBURGH
FRED ROGERS CENTER

THE SPROUT FUND

STEELTOWN ENTERTAINMENT PROJECT
WQED
SATURDAY LIGHT BRIGADE

ASSET STEM EDUCATION

TEKSTART
ARTS EDUCATION COLLABORATIVE
MANCHESTER CRAFTSMEN'S GUILD

Interest grows and the work expands to embrace maker learning, STEM, STEAM, and youth media.

Dozens of regional school districts join the movement with the help of STEAM grants and professional development programs.

Early participants gather under the banner "Kids+Creativity" to pitch ideas for new learning programs.

UNIVERSITY OF PITTSBURGH OFFICE OF CHILD DEVELOPMENT

ENTERTAINMENT TECHNOLOGY CENTER

PITTSBURGH PUBLIC SCHOOLS

CREATE LAB

KINGSLEY ASSOCIATION

CARNEGIE MUSEUM OF ART

CENTER OF LIFE
MAKESHOP

CARNEGIE MUSEUM OF NATURAL HISTORY

BIRDBRAIN TECHNOLOGIES

ZULAMA

MATTRESS FACTORY

FRED ROGERS COMPANY

SARAH HEINZ HOUSE

HUMAN COMPUTER INTERACTION INSTITUTE

YWCA
FOCUS ON RENEWAL

Museums, libraries, and other informal learning partners form the core of youth-serving organizations in the network.

GROWTH & DEVELOPMENT



NEW VOICES & NEW OPPORTUNITIES

URBANKIND INSTITUTE

Workforce development partners help connect the dots between new ways of learning and new ways of working.

1 HOOD MEDIA

At the 10-year mark, the network reflects on its mission, vision, and values and collectively charts its course for the next decade.

More support makes its way to school districts in rural communities outside of Pittsburgh, expanding Remake Learning's regional footprint.

Remake Learning Days engages tens of thousands of children and their families throughout the region.

CITIZEN SCIENCE LAB

PENN STATE NEW KENSINGTON

PENN STATE NEW KENSINGTON ABC CREATE

MADE RIGHT HERE

SEVENZO

Public Awareness and Community Engagement

It's one thing to reach teachers, mentors, and other professionals who spend their days in the world of education. But to really unlock the transformative potential of learning innovation, Remake Learning had to engage the parents, families, and communities who are raising today's learners and tomorrow's leaders.

In 2016, Remake Learning launched Remake Learning Days to get the public excited about new opportunities to explore, discover, and create.

Dubbed "the world's largest open house of hands-on learning," Remake Learning Days created a massive showcase of public events and activities involving hundreds of member organizations.

Deep Support

As part of the 2016 launch of Remake Learning Days, more than 100 organizations made commitments to support learning innovation. Philanthropies, businesses, and governments pledged more than \$25 million of investment. Program providers announced expansions that would impact more than 400,000 kids and 20,000 educators across southwestern Pennsylvania and West Virginia.

NOTABLE COMMITMENTS

The Pennsylvania Department of Education committed to establishing a statewide STEM education taskforce along with nine regional STEM education stakeholder workgroups.

Chevron Appalachia, LLC, committed more than \$2 million to expand maker learning programs in rural communities across western Pennsylvania, eastern Ohio, and northern West Virginia.

An anonymous donor committed more than \$2.5 million to promote technology-rich and open-walled educational experiences for youth in populations underrepresented in STEM careers.

Google Pittsburgh committed to partner with Remake Learning members throughout the region to give more kids the opportunity to create with technology.

Neighborhood Navigators

To help raise awareness and engagement in underserved communities, Remake Learning partnered with trusted local organizations to act as "Neighborhood Navigators." Navigators helped smaller organizations tap into the network and connected neighborhood families with opportunities and resources.

Government Endorsement

Remake Learning Days also garnered the endorsement of government leaders at the local, state, and federal levels. Representatives of the Pennsylvania and West Virginia state departments of education, as well as the Obama White House's Domestic Policy Council and Office of Science and Technology Policy, made the trip to Pittsburgh to kick off Remake Learning Days in 2016 and show their support for innovation in education.

PROCLAMATIONS RECOGNIZING REMAKE LEARNING DAYS:

- Pennsylvania Governor Tom Wolf
- West Virginia Governor Earl Ray Tomblin
- Allegheny County Executive Rich Fitzgerald
- Pittsburgh Mayor Bill Peduto
- Pittsburgh City Councilman Corey O'Connor



THE REACH
OF REMAKE
LEARNING
DAYS IN 2016
AND 2017

602

free and public events hosted

53,100

youth and adult participants

300,000+

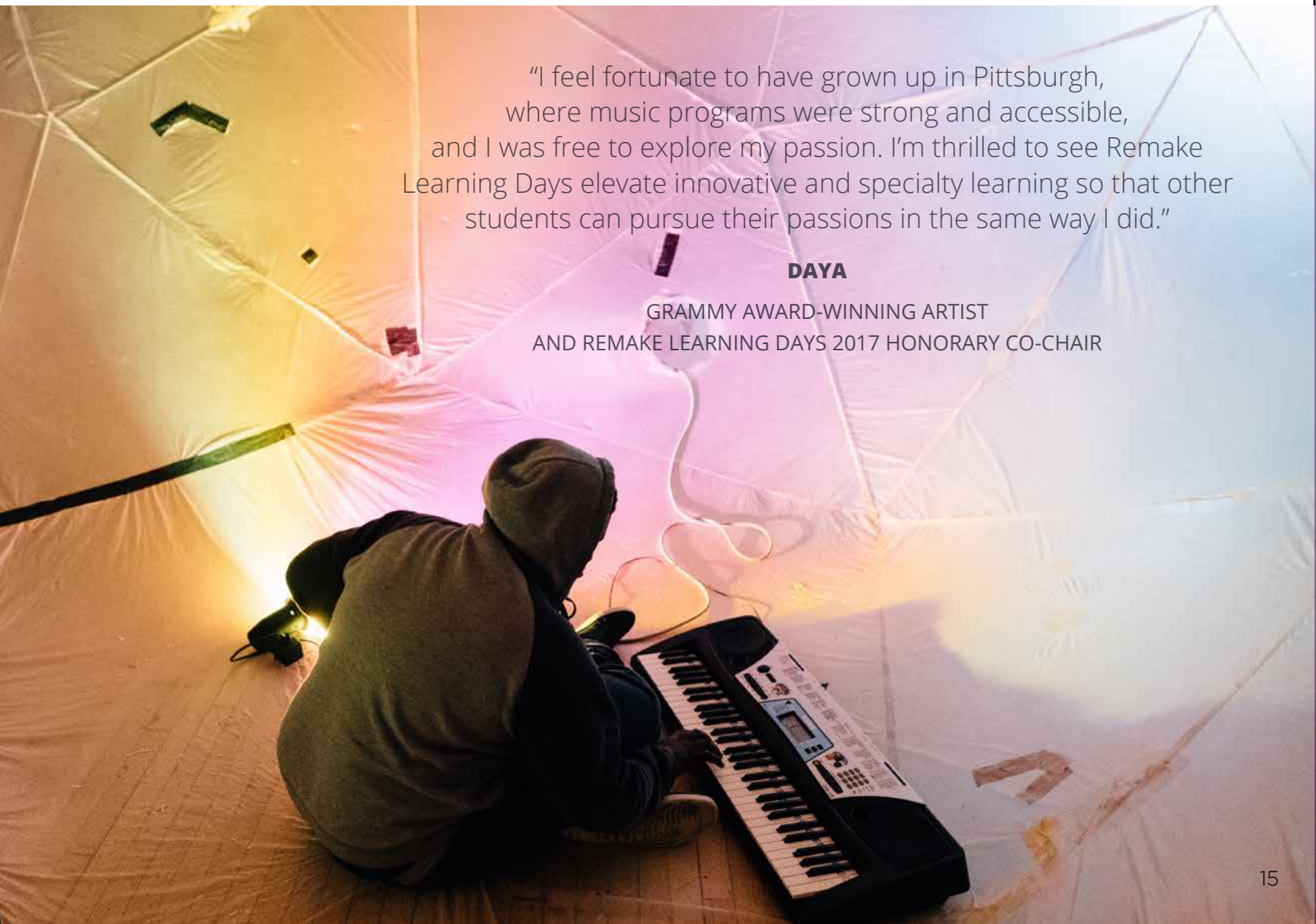
social media impressions per day



"I feel fortunate to have grown up in Pittsburgh, where music programs were strong and accessible, and I was free to explore my passion. I'm thrilled to see Remake Learning Days elevate innovative and specialty learning so that other students can pursue their passions in the same way I did."

DAYA

GRAMMY AWARD-WINNING ARTIST
AND REMAKE LEARNING DAYS 2017 HONORARY CO-CHAIR





Regional Reach

So how far has Remake Learning come in a decade?
What started

10 YEARS

ago as an informal meeting of the minds today
stretches across more than

30 COUNTIES

in three states and counts

533

ORGANIZATIONS

and thousands of active and involved people.

130 School Systems

Schools are the backbone of the education system, and in the Pittsburgh region, they're at the forefront of learning innovation. Among the districts most active in the Remake Learning community are five inductees to the League of Innovative Schools: Avonworth, Elizabeth Forward, Fox Chapel, Montour, and South Fayette. These districts share findings from this prestigious national network with peers in the Remake Learning Network, spreading innovation even further.



27 Libraries

Learning is everywhere because libraries are everywhere. The Carnegie Library of Pittsburgh has become a regional leader in reimagining the role of the library in the 21st century. Through the Labs @ CLP, it's created teen-only spaces for exploring digital media and technology in five of its 19 branches across the city. Outside the city, the Allegheny County Library Association includes member libraries bringing maker learning and digital media production to kids in suburban and rural communities.



18 Museums

Museums are places for children and families to explore and learn together, and for school teachers to try new things. The Children's Museum of Pittsburgh has coached hundreds of teachers in maker learning practice. Since 2015, it has helped 20 schools create unique makerspaces and worked with community groups like ACTION-Housing and Hosanna House to bring access to making to disadvantaged populations.



38 Community Centers

From national nonprofits like the YMCA and Boys & Girls Club to homegrown neighborhood youth spaces, informal educators provide hands-on experiential learning and traditional tutoring during critical after-school and summertime hours.



Wherever you are in the greater Pittsburgh region, chances are there's a Remake Learning member organization near you.

See the full picture at remakelearning.org/map

30 Higher Education Institutions

Colleges and universities make the latest in learning science and technological innovation accessible and applicable to educators in the region. Among them are 10 schools of education teaching tomorrow's teachers, and 8 research and development labs cranking out innovative technologies that will seem commonplace to the next generation.



196 Nonprofit Organizations

Remake Learning relies on the commitment of local nonprofits to provide direct programming to youth of all ages and advocate for social change by educating stakeholders, policymakers, and elected officials on the need for engaging, relevant, and equitable learning opportunities for all.



24 Funders

The Grable Foundation leads a coalition philanthropies and corporate donors including the Benedum Foundation, the Hillman Foundation, the Buhl Foundation, the Pittsburgh Foundation, Chevron, and Comcast. Together, these generous supporters have invested \$72 million in learning innovation.

54 corporate and business partners

The business community is actively involved in Remake Learning, including startups working on the next generation of education technology and major employers and workforce development agencies helping young people connect the dots between what they're learning today and how they'll be making a career tomorrow.



16 Civic and Government Partners

Municipal, county, and state agencies partner with network members on collaborative projects. Elected officials endorse Remake Learning and champion our work in the region.

National Recognition and Influence

As a part of the national (and global) conversation about the future of education, members of the Remake Learning community have contributed to the field from coast to coast.

Remake Learning itself has been recognized as a model for regional education innovation. School leaders, elected officials, researchers, and influencers have visited the Pittsburgh region to see how Remake Learning ticks. The network continues to draw attention, resources, and partners to support the pioneering work of its members.

140
Sent members and delegations to more than 140 international events.

- Clinton Global Initiative
CHICAGO, IL
- Deeper Learning Conference
SAN DIEGO, CA
- DML
IRVINE, CA
- Ed Foo Camp
MOUNTAIN VIEW, CA
- ISTE
DENVER, CO
- MozFest
LONDON, UK
- National League of Cities
Institute for Youth, Education,
and Families
SEATTLE, WA
- SXSWedu
AUSTIN, TX
- Techonomy
DETROIT, MI
- White House Maker Faire
WASHINGTON, DC
- WISE Summit
DOHA, QATAR
- World Maker Faire
NEW YORK, NY

20
Showcased Remake Learning at more than 20 national events held in Pittsburgh.

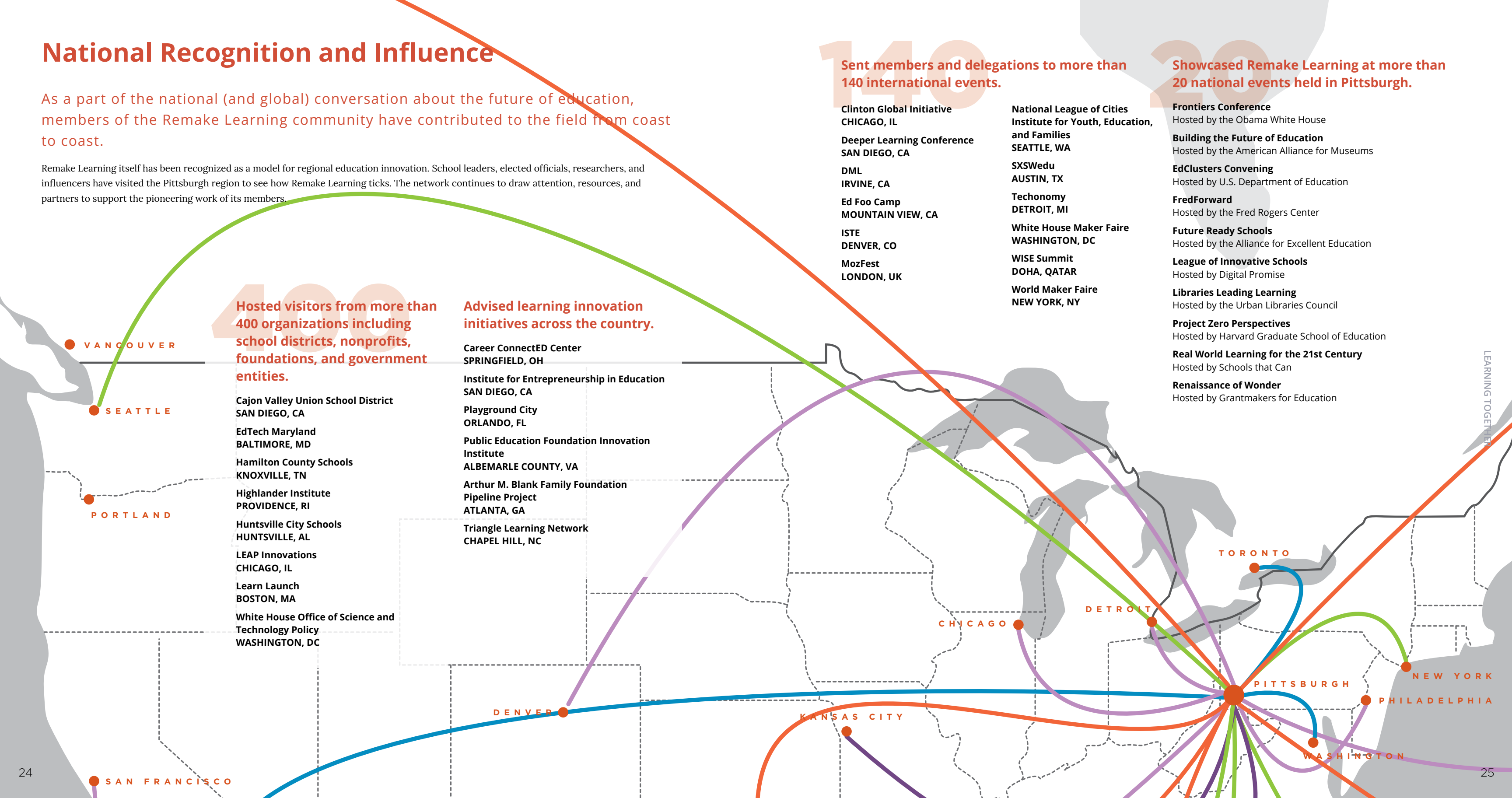
- Frontiers Conference
Hosted by the Obama White House
- Building the Future of Education
Hosted by the American Alliance for Museums
- EdClusters Convening
Hosted by U.S. Department of Education
- FredForward
Hosted by the Fred Rogers Center
- Future Ready Schools
Hosted by the Alliance for Excellent Education
- League of Innovative Schools
Hosted by Digital Promise
- Libraries Leading Learning
Hosted by the Urban Libraries Council
- Project Zero Perspectives
Hosted by Harvard Graduate School of Education
- Real World Learning for the 21st Century
Hosted by Schools that Can
- Renaissance of Wonder
Hosted by Grantmakers for Education

400
Hosted visitors from more than 400 organizations including school districts, nonprofits, foundations, and government entities.

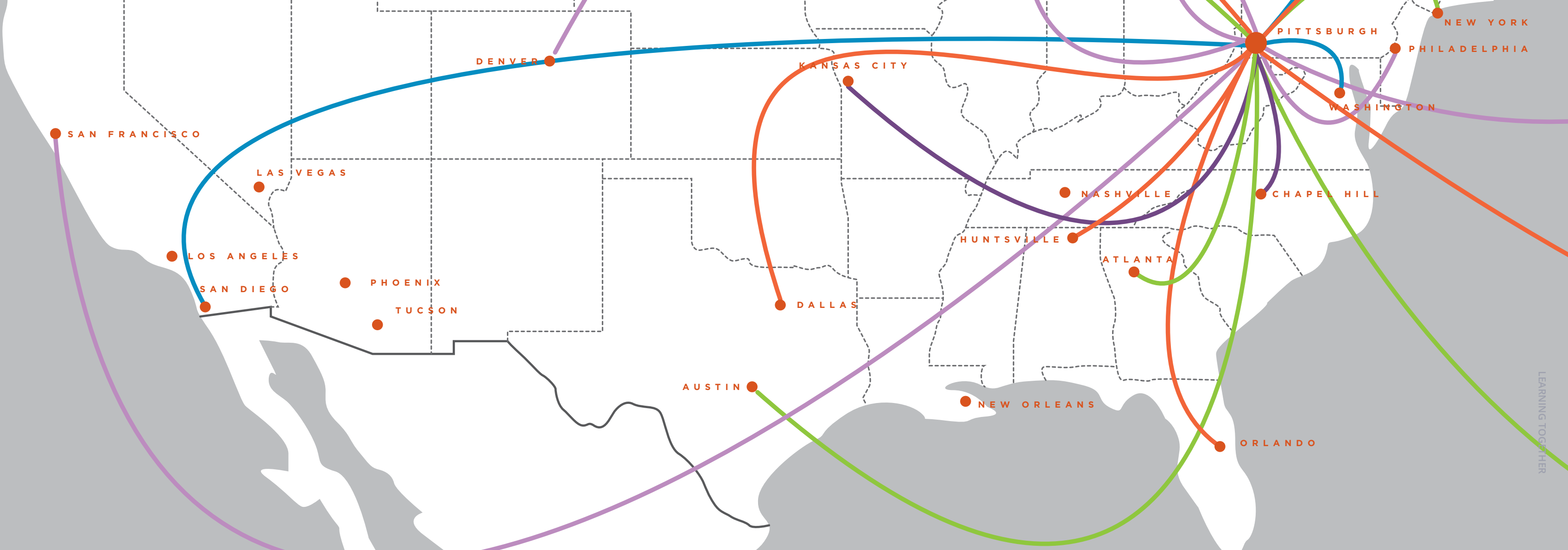
- Cajon Valley Union School District
SAN DIEGO, CA
- EdTech Maryland
BALTIMORE, MD
- Hamilton County Schools
KNOXVILLE, TN
- Highlander Institute
PROVIDENCE, RI
- Huntsville City Schools
HUNTSVILLE, AL
- LEAP Innovations
CHICAGO, IL
- Learn Launch
BOSTON, MA
- White House Office of Science and
Technology Policy
WASHINGTON, DC

Advised learning innovation initiatives across the country.

- Career ConnectED Center
SPRINGFIELD, OH
- Institute for Entrepreneurship in Education
SAN DIEGO, CA
- Playground City
ORLANDO, FL
- Public Education Foundation Innovation
Institute
ALBEMARLE COUNTY, VA
- Arthur M. Blank Family Foundation
Pipeline Project
ATLANTA, GA
- Triangle Learning Network
CHAPEL HILL, NC



LEARNING TOGETHER



10
Remake Learning members secured more than \$10 million in national and federal grants.

- Bill & Melinda Gates Foundation
- Carnegie Corporation of New York
- Google
- Institute of Museum and Library Services
- John D. and Catherine T. MacArthur Foundation
- National Science Foundation
- Susan Crown Exchange

20
Remake Learning members won more than 20 national awards and recognitions.

- Champions of Change**
Awarded by the Obama White House
- Digital Innovation in Learning Awards**
Awarded by Digital Promise & EdSurge
- Infy Makers**
Awarded by Infosys Foundation USA
- PBS Innovator Awards**
Awarded by PBS Education
- Tribeca Disruptive Innovation Awards**
Awarded by Disruptor Foundation

25
More than 25 national program partners.

- Alliance for Excellent Education
- Code.org
- Common Sense Education
- Convergence Center for Policy Resolution
- Digital Promise
- Education Reimagined
- Joan Ganz Cooney Center
- KnowledgeWorks
- LRNG
- MakerEd
- Mozilla Learning
- New America Foundation
- New York Hall of Science
- Partnership for the Future of Learning
- PBS LearningMedia
- STEM Learning Ecosystems

20
More than 20 business partners.

- Apple Education
- BirdBrain Technologies
- BloomBoard
- Chevron
- Comcast
- Cognizant
- DuoLingo
- Google
- Kickstarter
- OnHand Schools
- Pittsburgh Penguins
- Schell Games
- Sevenso
- Zulama

MEXICO CITY

**More than 20 book references
and research citations.**

"[Remake Learning Days] creates events all over the city, showing parents how to play computer games such as Minecraft so they understand why these are useful."

WORLD ECONOMIC FORUM

"Within a decade, the Pittsburgh region has emerged as a national model for innovation in education."

SUZIE BOSS IN ALL TOGETHER NOW

"Since its creation, the Remake Learning Network has helped tens of thousands of educators, students, and their families become engaged in the process of remaking learning."

KNOWLEDGEWORKS

**More than 330 media mentions of
Remake Learning and its members.**

"[Remake Learning] is a unique approach to addressing education problems that leverages a community's collective wisdom in a truly synthesized and participatory way."

JORDAN SHAPIRO WRITING IN FORBES

"Thanks to innovative Pittsburgh foundations that launched [Remake Learning] in 2007, the region is aligning science instruction in schools with the kinds of activities kids are doing on their own time."

JOHN BARE WRITING FOR CNN

"From hands-on circuitry projects for kindergartners to 'maker spaces' inside local museums, this former steel town has quietly emerged as a national model for supporting fresh approaches to technology-infused education, especially for young children."

BENJAMIN HEROLD WRITING IN EDWEEK



Remake Learning members won more than 20 national awards and recognitions.

“In his ten years as executive director of the Grable Foundation, Gregg Behr has not only led the Grable Foundation’s portfolio of community investments but has also worked tirelessly to build a collaborative funding environment called Remake Learning.”

WHITE HOUSE CHAMPIONS OF CHANGE, 2016

“What we’re seeing in Pittsburgh is an unprecedented collaboration of people and institutions pulling together to remake education and rebrand themselves as the city of Kidsburgh.”

TRIBECA DISRUPTIVE INNOVATION AWARDS, 2014

“[Aileen Owens of South Fayette Township School District] employs an audacious idea in order to empower teachers and students with the opportunity to learn school- or system-wide.”

DIGITAL INNOVATION IN LEARNING AWARDS, 2014

Remake Learning has been recognized in 9 government proclamations.

“Through the support of the Remake Learning network, students are collaborating with their peers on project-based learning and preschoolers are using technology to engage with their families.”

PENNSYLVANIA GOVERNOR TOM WOLF

“Allegheny County is thankful to have Remake Learning Days in our community. Education is essential to a vibrant region, and Remake Learning is an excellent way to reach out to our residents and engage them in new experiences.”

ALLEGHENY COUNTY EXECUTIVE RICH FITZGERALD

“An educational revolution has been quietly underway in Pittsburgh for the past decade and the Remake Learning Network has become a national model for learning innovation.”

PITTSBURGH MAYOR WILLIAM PEDUTO



DISRUPTOR AWARDS



WHAT CAN

As we look back on 10 years of Remake Learning, we celebrate everyone who has contributed to our shared efforts. Remake Learning is its members, the ones leading change in classrooms and communities across the greater Pittsburgh region. We've worked together over the past decade to create connections where there were none, inspired by the belief that a more inclusive and collaborative community would yield better opportunities and better outcomes for our region's young people.

WE DO IN

We also know how much more there is to do. The achievements and milestones we've recounted here help tell the story of what we've done so far, but this leads to other questions: What can we do in the next 10 years to realize meaningful learning outcomes for all learners? How should we measure Remake Learning's impact on our region? How do we continue to make progress on equity and inclusion?

THE NEXT

As we work toward answering these questions in the years to come, we'll be guided by a vision of the future in which learning:

10 YEARS?

Activates skills in critical thinking, problem-solving, creativity, communication, and collaboration so that learners are prepared for an increasingly technology-driven future.

Empowers learners to identify and solve problems that affect themselves and their communities; to fail, retry, and learn from mistakes; to express their creativity in authentic ways; and to both struggle and have fun.

Challenges learners to question, examine, and dissect social systems; to develop the confidence to address and deconstruct inequalities; and to construct a more just and equitable world.

Connects all the places learners live, work, and play, including schools, libraries, museums, parks, clubs, community centers, centers of faith, at home, and online.

Encourages learners to explore and play and support them to follow their curiosity using varied tools (including, but not limited to, technologies).

Derives from deep and caring relationships between learners and their families, peers, educators, and mentors.

Connects learners to their communities and, in an interconnected world, help learners develop cross-cultural understandings that unlock opportunities to thrive both within and beyond their own communities.

The world and learning will continue to change—and so will Remake Learning. Help us do more. Get involved and start remaking learning for today and tomorrow.

REMAKE LEARNING COUNCIL

In 2014, regional leaders in education, government, business, and civic sectors signaled their deep commitment to learning innovation by forming the Remake Learning Council and working together to advance learning innovation in southwestern Pennsylvania and West Virginia.

Gregg Behr, The Grable Foundation Co-Chair

Mary Murrin, Chevron Co-Chair

Deborah Acklin, WQED

Lisa Birmingham, Comcast

Diana Bucco, The Buhl Foundation

Cara Ciminillo, PAEYC

Mary Frances Cooper, Carnegie Library of Pittsburgh

Amelia Davis Courts, The Education Alliance

Kevin Crowley, UPLCOSE

Drew Davidson, Entertainment Technology Center

Randal Dearth, Calgon Carbon Corporation

Jim Denova, Claude Worthington Benedum Foundation

Patrick Dowd, Allies for Children

Colleen Fedor, The Mentoring Partnership of SWPA

Rick Fernandes, Fred Rogers Center

Hon. Rich Fitzgerald, Allegheny County Executive

Mike Green, West Virginia State Board of Education

Linda Hippert, Allegheny Intermediate Unit

Bill Isler, Fred Rogers Company

Rosanne Javorsky, Allegheny Intermediate Unit

Kenneth Koedinger, Carnegie Mellon School of Computer Science

Linda Lane, Pittsburgh Public Schools (former)

Junlei Li, Fred Rogers Center

Cathy Lewis Long, The Sprout Fund

Marti Louw, Learning Media Design Center

Temple Lovelace, Duquesne University

Gayle Manchin, West Virginia Department of Education and the Arts

Don Martin, Intermediate Unit 1

Sally McCrady, The PNC Foundation

Mickey McManus, MAYA

Illah Nourbakhsh, CREATE Lab

Grant Oliphant, The Heinz Endowments

John Pane, RAND Corporation

Jo Ellen Parker, Carnegie Museums of Pittsburgh

Stefani Pashman, Partner4Work

Donna Peduto, West Virginia University

Tom Ralston, Avonworth School District

Bart Rocco, Elizabeth Forward School District

David Roger, Hillman Foundation

Bille Rondinelli, South Fayette Township School District

Jesse Schell, Schell Games

LaTrenda Sherrill, City of Pittsburgh (former)

Bill Strickland, Manchester Bidwell Corporation

Jason Swanson, KnowledgeWorks

Barbara Taylor, Grantmakers of Western Pennsylvania

Linda Topoleski, Allegheny Conference

Mary Esther Van Shura, Allegheny County

Jane Werner, Children's Museum of Pittsburgh

Brian White, Chartiers Valley School District

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THE GRABLE FOUNDATION
dedicated to improving the lives of children

CLAUDE
WORTHINGTON
BENEDUM
FOUNDATION

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The Buhl Foundation

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The McCune Foundation

The Pittsburgh Foundation

Pittsburgh Penguins Foundation

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Susan Crown Exchange



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Since its formation in 2007, the community of educators and innovators known as Remake Learning has made a tangible impact on the lives of teachers and learners in the greater Pittsburgh region.

- Learners have more opportunities than ever to pursue their interests along new learning pathways.
- Educators have more support to become learners themselves and continually improve their practice.
- Communities are enriched through more engagement and investment in their local learning assets.
- Network members are learning from the world and the world is learning from network members.

To celebrate our first decade of work together, we're sharing stories of Remake Learning's impact. **Learn more and see where we're headed at remakelearning.org.**

Questions? Ideas? You can help shape the next decade of Remake Learning.

Contact us at info@remakelearning.org



@remakelearning



/remakelearning



@remakelearning

