

TeachUp!

**Making a Difference
Through
Technology-Enabled Education**



Digital Opportunity Trust USA
February 2009

Overview of this presentation



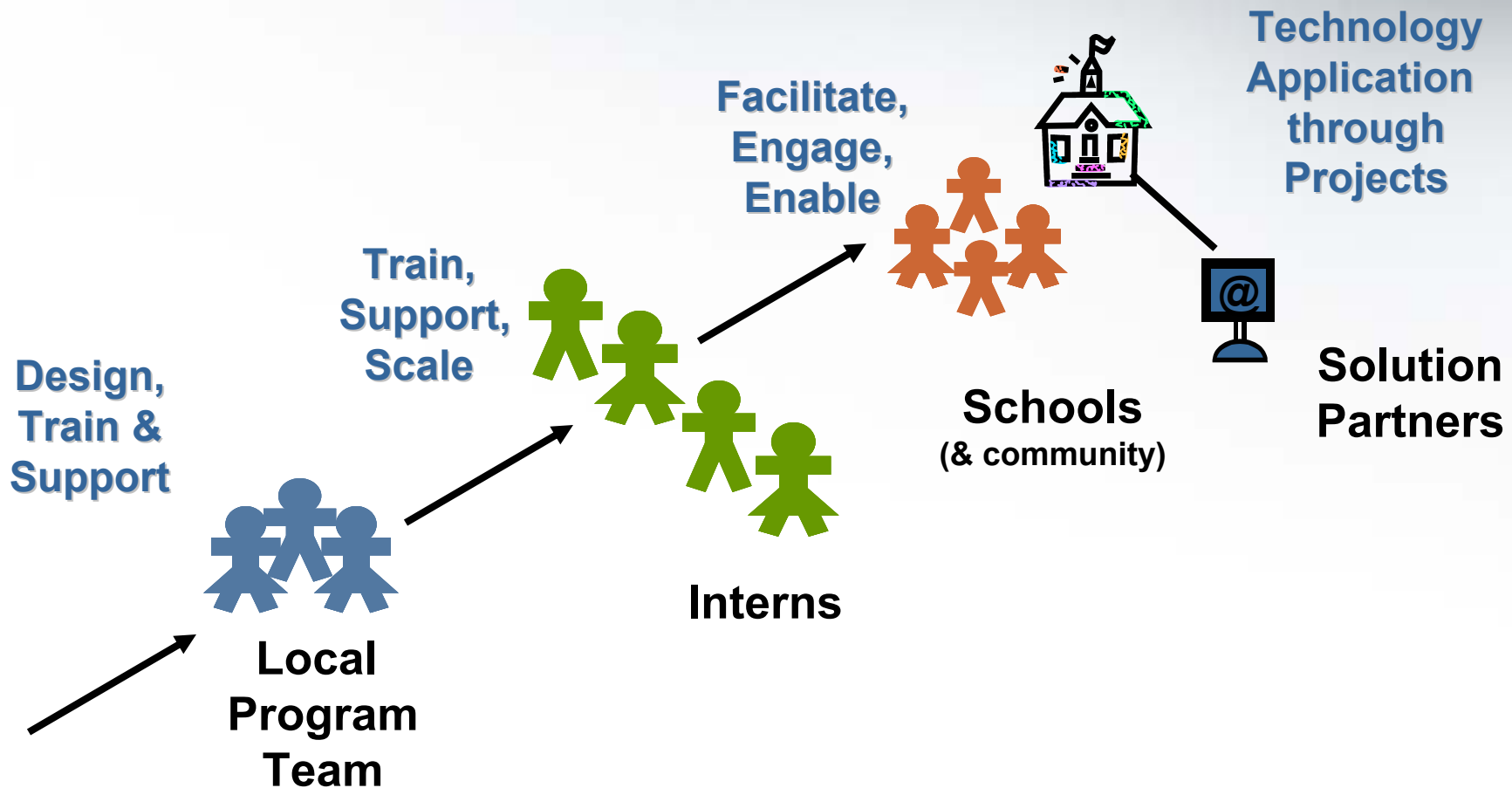
- Program Vision and Purpose
- How the Program Works
- The DOT Intern
- Sample Intern Activities
- Managing and Training Interns
- Lessons Learned: Keys to Program Success
- Next Steps for Mexico
- Questions and Answers

Program Purpose



- To empower **teachers and schools** to effectively leverage Web 2.0 technologies for **education, administration and communication.**
- To empower **young adults** as they transition from school to work so they can succeed and engage in the **21st century global economy and society**

Making Waves in Education



The DOT Internship



Implementation ...

- One intern per school
- 10-month internship (academic year)
- 30 hours/week commitment
- On-going support and coaching by DOT USA Intern Support Manager (ISM), school mentor, and virtual program and training team
- One ISM per 15-20 Interns

Value to Intern ...

- Life-altering Internship Experience
- Leading-edge Leadership Training
- Network with other interns, program partners and potential employers
- Develop 21st century skills
- Monthly stipend
- On-going coaching, mentoring and career transition support
- Access to alumni Intern network

Profile of the Ideal DOT Intern



- 18-24 years old
- college student or recent graduate
- tech-savvy
- strong service ethic
- self-motivated
- strong communication and interpersonal skills
- committed to professional and personal growth
- DOT strives for a diverse pool of Interns (ethnicity, gender, educational backgrounds)

TeachUp! Interns provide:



- *IT Training, Coaching and Support* for **teachers** through dedicated, ongoing guidance, encouragement, and skills building
- *Role Models* for **students** in 21st-century work and life skills in a context and medium that is personally relevant to young adults
- *Energy, Passion and Catalyst* for **community** engagement

The Many Roles of the DOT Intern





A Week in the Life of a DOT Intern

- Conducting proactive teacher visits
- Coaching teachers one-on-one
- Writing tip sheets and technology newsletters
- Demonstrating productivity features
- Assisting teachers with technology during lessons
- Researching available technologies and emerging technologies
- Designing and facilitating group training for teachers
- Creating parent-teacher night displays

Integrating Technology into Learning



- Connecting a special needs student through skype
- Showcasing student work via Movie Maker
- Using a webcam and live 24/7 feed to engage students and parents in a class project about avian life cycles
- Using podcasts to promote literacy



Serving in the Community

- Internet Safety for Middle School Students
- HIV Awareness and Education for College Students
- Careers in Technology for At-risk Youth

Results



- Educators are confident and competent in using technology
- Local young leaders gain 21st century work and life skills
- Students are excited and engaged in their own learning
- Schools become the hearts of their communities

Staffing & Staff Roles



- **Mentor Teacher** per school (certified teacher; designated by each school) provides pedagogical expertise and guidance to the Intern
- **Program Manager** provides day-to-day management of the program, including HR and financial management
- **Intern Support Managers** (ISMs) provide coaching and administrative support to the Interns and liaise with school administrators and teachers
- **DOT USA** provides overall program management (including recruiting, training and managing Interns)

Overview of Intern Training



Core Orientation Training for Members	Focused Pre-service Training	Core In-service Training	Focused In-service Training
<p>Summer</p> <ul style="list-style-type: none"> •Intensive on-line and face-to-face (F2F) •Mentor Teachers and IT Staff invited to participate, as needed <ul style="list-style-type: none"> •Adult-centered learning •Project management •Lesson planning •Presentation and public speaking skills •Mentoring youth/adolescents •DOT policies and requirements for service 	<p>Summer</p> <ul style="list-style-type: none"> •Immediately following core orientation •Intensive F2F training <ul style="list-style-type: none"> •Web 2.0 educational technologies •MS K-12 Educational Technology Standards •MS Curriculum Standards & Benchmarks •MS Effective Components of Teaching •School District Specific Hardware & Software 	<p>September – June</p> <ul style="list-style-type: none"> •On-site consultation with individual Interns •Peer and ISM facilitated workshops <ul style="list-style-type: none"> •Web 2.0 educational technologies •Advanced project management •Lesson planning for individual and small group training •Planning and implementing service projects •Action planning 	<p>September - June</p> <ul style="list-style-type: none"> •Workshops in topics of relevance to members •Mock interviews •Career fairs <ul style="list-style-type: none"> •To be determined pending results of mid-year needs assessment •Professional dress •Developing a professional portfolio •Career planning •Networking •Professional writing skills

What we need from the schools



- Well-respected **in-school mentor** who values and embraces technology and who can help Intern integrate into the school culture
- **Dedicated workspace** for the Intern with desk and PC with internet access
- **Strong school leadership** committed to the TeachUp! Program and to implementing specific school-wide technology-driven projects
- Identify “**early adopter**” **teachers** to work with interns to implement initial projects and activities

What we've learned:



- **Recruitment:** localized to target tech-savvy youth who are invested in the community
- **Training:** continuous, hands-on, competency-based blended learning
- On-going **support** and **mentoring** to channel Interns' enthusiasm into culturally-appropriate, pedagogically-sound school-based and community-driven activities

What we've learned...



- **Collaboration** with partners: ensures relevance to local needs and lasting change; sustainability
- **Culture of Service**: on-going; alumni continue service in workplace and community life

Planning Phase: What we need to succeed

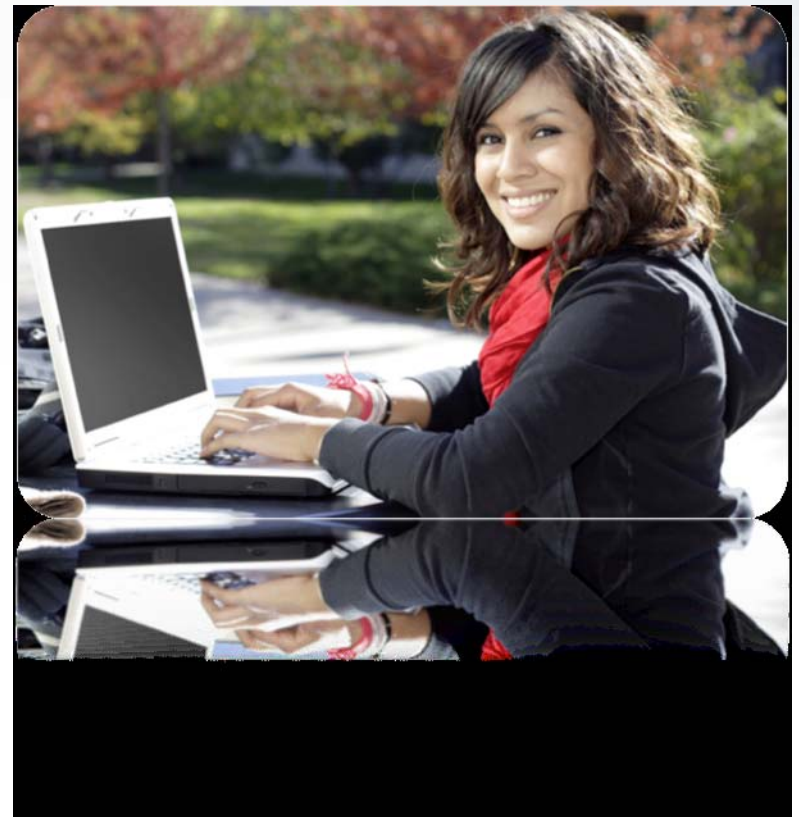


- Baseline information on the technology readiness and needs of pilot schools and communities in order to customize TeachUp!
- Visionary school leaders who are committed to empowering teachers to transform learning
- Localized Intern recruitment strategy to successfully attract and retain young tech-savvy, service-oriented adults
- Introductions and connections to municipal and community-based organizations who can partner with and advocate for the program



Introducing TeachUp! in DOT Mexico

- DOT is excited to announce the implementation of its TeachUp! Program in Puebla, Mexico.
- Through its partnership with Cisco Systems and UNETE, DOT will bring 10 TeachUp! Interns to 10 UNETE schools in Puebla.
- 10 TeachUp! Interns, university graduates, will be recruited locally to assist with the **Integration of Technology** into the daily lesson plans of teachers within the 10 schools.





Implementing TeachUp! in Mexico



- DOT is excited to launch its TeachUp! Program in Mexico in August of 2009
- 2 weeks of training will be provided August 10-21
 - 1 Week of Face-to-Face Training
 - 1 Week of Technical Training
- Trainings will leverage lessons learned from TeachUp! Programs in the US as well as China.
- The DOT USA team will support DOT Mexico in the launch of their TeachUp! Program



Selected Puebla Schools

1. PROFRA. AMALIA
CONTRERAS DE LOBATO
2. GUADALUPE VICTORIA
3. JUSTO SIERRA
4. SEC. FED. NO. 1
PRESIDENTE CARDENAS
5. FERNANDO XIMELLO /
INDEPENDENCIA
6. PROFRA. PAULINA
MARAVAR CORTES
7. EMPERADOR MOCTEZUMA
8. SEC. TECNICA NO. 94 JOSE
VASCONCELOS
9. JOSE MARIANO JIMENEZ
10. LA GRAN TENOCHTITLAN



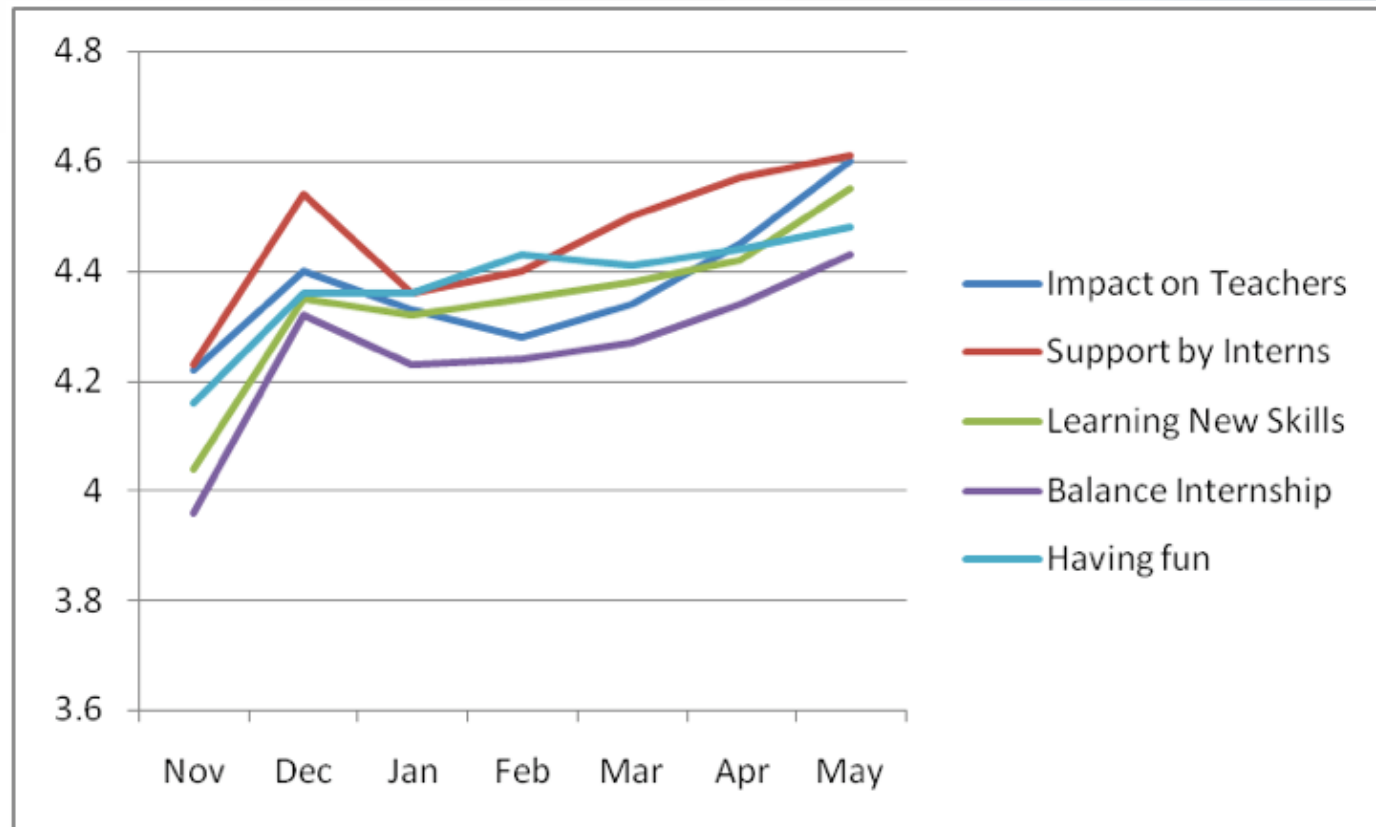
Lessons Learned

1. Gaining the support of the administration within a school or district is vital to the program's success.
2. Public access, and training, at Community Technology Centers is ideal for program growth.
3. Posting collected educational and community training resources creates a strong backbone for incoming interns and newly added schools.
4. Volunteerism and Mentoring Programs by interns should be encouraged as it facilitates a strong sense of trust and faith within their operating schools.
5. Online Discussions between interns via the use of blogs, wikis, etc. should be encouraged as it strengthens the sense of community between interns.

The Interns are asked to rate how they feel about the following five subjects, on a scale from 1 to 5, with 1 = strongly disagree and 5 = strongly agree. Table 1 below is the average for all Interns in regards to the questions.



May 2009 Intern Barometer Report





Bringing Science to Life

- Brandon Christian, TeachUp! Intern, has been working with Mrs. Kim Hinton, a 6th grade math and science teacher, who is incubating 25 chicken eggs in her classroom for a unit on living things. She set up an account at www.ustream.tv and placed a webcam above the eggs. Mrs. Hinton streamed a live 24/7 feed of the chickens and on February 10 they began hatching. Students, parents, and the community watched as the chicks made their way into the world.

-Brandon Christian-Petal Upper Elementary

Technology Allows Students to Share NASA Project



- Five Students in Mrs. Aderholt's Fourth Grade class completed a NASA Project to determine if plants can survive on Mars. The students selected plants and traveled to an agricultural center in Jackson where they placed the plants in ice. They returned to Jackson several times to observe the plants, each time taking digital pictures of the plants. Several of the plants did survive, so the students determined that plants can survive on Mars. The students then created PowerPoint presentations with the pictures and used the PolyCom to virtually present their findings to NASA. The Power Point presentation was later presented at the Hattiesburg School District Board Meeting.



Skype is Used for Observations

- Ms. McPhail is a Lead Teacher at South Forrest and is required to do classroom observations of the other teachers. She is now using Skype to complete her classroom observations virtually. She uses the webcam from the IP Phone and Skype to see the teachers as they teach their classes. Ms. McPhail has found that these virtual observations are less intrusive in the classroom and prevent interruptions in the lessons.



Intern Quotes on DOT

- “This internship was a wonderful experience and it provides me with another possible career path. I learned a lot more about technology and it has added to my personal life. I am glad that I was able to meet a lot of wonderful people and be involved in some great projects.”

- Deborah Anderson, Julian Leadership Academy



Intern Quotes on DOT

- “I feel that this internship has helped me in numerous areas in life such as time efficiency and accountability. This internship is recommended for anyone who wants to put his or her professional career on the right track.”

- C.J. Gross, North Forrest Elementary



Intern Quotes on DOT

- “When the school year began, many of the teachers in my school didn’t know where to start with their intimidating interactive boards. Now, they are more than proficient and have taken the next step in their learning by becoming creators of interactive material without my aid. Their comfort level has increased so much!”

- Ryan Waldrop, North Gulfport



Questions and Comments?

How to reach us



Digital Opportunity Trust USA

Nuria Arias, Program Director

narias@dotrust.org

601-325-7478

Justine Ickes, Director of Programs & Training

jickes@dotrust.org

860-601-3863

Thank You!



Digital Opportunity Trust USA