Aimed at reducing the “digital talent gap” by preparing the next generation of urban civic entrepreneurs, the Urban Apps & Maps Studios have engaged over 600 high school students and 200 college students to produce more than 30 technology-based start-up ideas in education, urban farming, health and public safety.

The Studios bring Temple University’s research and education capability together with community members, local K-12 students, nonprofit organizations, government, and businesses to address urban challenges using digital technology.
3 ENGINES OF THE PROGRAM

App Development
Design, Development, Curate, Design Challenges, Courses, Hackathons, Projects

Youth & Community Outreach
Summer Program and Community Fellowship

Empowering Community
Civic Start-Ups, New Open Data, Engaged Community
PILLARS OF SUCCESS

PUBLIC HEALTH

SUSTAINABILITY

TRANSPORTATION

EDUCATION
Design | Computational & Spatial Thinking

- Programming
- Contextualized Observation

- Rapid Prototyping
- Collaboration
- Visualization
- System Thinking
URBAN SMART FARMING

GOOGLE PLACES API

Developer Challenge prize
AT&T TU EduTech Hackathon

Many More...

Gamification Design Elements Incorporated in the App Design for Sustained Use
- Measures: Individual tracking of user activities for monitoring engagement.
- Social Transparency: Ability to compare user progress to other users who have completed the same activity.
- Excitement Award: Gamified rewards and achievements to engage users.
- Badges Providing Incentives - Sample

Input Measures and Scores
- Learning Through Project-based Learning: 10
- Homework: 10
- Participation: 10
- Tests/Exams: 10

Discussion & Implications
- The use of the Fantasy-Ed app can help improve student performance.
- Educators should consider implementing this approach in their classrooms to enhance student engagement.

Presentations
- TEDxPhilly Talk with Youngjin Yoo
- Philadelphia Magazine Talk w/ Youngjin Yoo
- GrowShare.net Video
- Fantasy-Ed

Philadelphia Urban Farming Association
Faces: Philadelphia
App Ambassadors
Fantasy-Ed
URX
Urban Smart Farming
Urban Health Warrior
GrowShare.net
STE(A)M = STEM + ART
- emphasizing design, story telling and creative problem solving with STEM
- focusing on entrepreneurship
- focusing on civic engagement
MOVING FORWARD

• Build a vibrant community of young urban leaders who understand digital technology and are passionate about their community.
• Creating a *distributed laboratory* of digital urban innovation as an anchor of the community, uniquely focusing on:
  • youth as a next generation innovators
  • focusing on civic engagement
URBAN APPS & MAPS STUDIOS | LEGACY AND VISION FOR THE FUTURE
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