

Center for Talent Development

# Accelerated Weekend Experience

Students Entering Grades 3–8



The **Accelerated Weekend Experience (AWE)** provides academically talented students a full, single weekend to **explore an area of study in depth** with an expert in the field.

- Gain insight into careers in math, science or technology.
- Engage with like-minded peers and motivating instructors.

AWE runs Saturday and Sunday from 9 a.m. to 2:30 p.m. Courses are offered in partnership with host sites, most often a school or community organization.

## A Sampling of Popular AWE Courses include:

Alice 3D Programming  
Aviation  
Cognitive Neuroscience  
Cryptography  
Digital Imaging  
Forensic Science  
Java Computer Programming  
MIT App Inventor  
Pure Mathematics Robocode  
Veterinary Medicine

[ctd.northwestern.edu/awe](http://ctd.northwestern.edu/awe)

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Center for Talent Development  
Northwestern University™



NORTHWESTERN  
UNIVERSITY

# Area AWE Alert!

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**Exciting AWE courses scheduled near you!**

**November 7–8, 2015 at Marian Catholic High School**

**Chicago Heights, IL • 9 a.m. – 2:30 p.m. each day**

### SCRATCH COMPUTER PROGRAMMING

**Grades 3–4\***

Create your own digital stories, animations, games, music and art on a computer. Share these creations on the Internet with Scratch, a programming language designed to produce rich, interactive media while developing important 21st century skills. Learn advanced mathematical and computational concepts while exploring the technological design process.

*Subject area: Technology*  
*Cost: \$127*

\* **ONE-DAY only: Saturday OR Sunday**

### MIT APP INVENTOR

**Grades 5–6**

Design, create, and distribute mobile applications for the Android platform using the MIT App Inventor, a coding platform suitable for the creation of real-world apps, games, and socially-useful programs that take advantage of the device's mobile features, such as GPS, texting, clock, and sensors. Explore foundational programming concepts while developing rich applications in this free, browser-based visual coding environment. No Android device is required; projects will be designed, coded, and tested within a mobile device emulator.

*Subject area: Technology*  
*Cost: \$255*

### PROGRAMMING WITH PYTHON

**Grades 7–8**

Learn to design and build computer programs with Python, an easy-to-learn programming language used by companies like Google, Yahoo, and Lucasfilm Ltd. Python is useful for prototyping and for tying together modules of Java code or C++ code into a single application. From basic concepts, such as loops and procedures, to working with user-defined objects, gain important programming skills while putting together simple animations to create your own games.

*Subject area: Technology*  
*Cost: \$255*

**Courses fill quickly, apply online today.**

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**Admission Criteria:** A score at the 90th percentile or above in reading or math on a nationally normed test. Students without the requisite test scores may apply using an admission portfolio.



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