



Sept. 26, 2018

Dear Parent:

Skinner North and Decatur Classical School are offering a unique learning opportunity for academically talented students in grades 3 through 6. In collaboration with **Northwestern University's** Center for Talent Development, the **Accelerated Weekend Experience (AWE)** program provides challenging, hands-on, in-depth exploration for those passionate about the subjects of engineering & science.

The two-day AWE courses will be held at Skinner North on Saturday and Sunday November 3-4 from 9 a.m. – 2:30 p.m.

#### **Programming in 3D (Gr. 3-4)**

Create virtual worlds and interactive games with the 3-D programming tool Alice 3.x. Students develop a sample project from the ground up, while learning about object-oriented programming concepts and standard programming statements similar to those in Java, C++ and C#. By manipulating 3-D objects in Alice, students experience programming constructs. Students gain:

- Experience with the Alice software applications.
- An understanding of object-oriented programming.
- An ability to manipulate 3-D objects and animations.
- Exposure to C++ and Java syntax and logic.
- Knowledge required to complete a virtual world project.
- Subject Area: Technology

#### **Stop-Motion Animation (Gr. 5-6)**

Animation is a powerful and creative way to deliver storylines, reports and the recounting of events. Created in part by Tufts University's Center for Engineering Education, SAM animation software allows students to create frame-by-frame animations. Participants learn to make stop-action movies that can be overlaid with text, narrated or set to music. Engaging, engrossing and inspiring, the tales to be told are endless.

Subject area: Technology

High-ability students often need and want additional challenge to augment their schoolwork. With many activities to juggle it can be difficult to commit to an out-of-school program that may last weeks or longer. The concentrated Accelerated Weekend Experience is an excellent option and we are pleased to make this opportunity available.

Eligibility guidelines and the online application are on the CTD website at [www.ctd.northwestern.edu/sep/program/awe](http://www.ctd.northwestern.edu/sep/program/awe). Tuition and fees total \$265 for each 2-day course, and financial aid is available – see website for details.

Questions about the program can be addressed to [ctd-enrichment@northwestern.edu](mailto:ctd-enrichment@northwestern.edu).

Sincerely,

Katie & Derrick

**Working Together,  
Achieving Success**

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