2015

UT Dallas coding camps @ Allen ISD!
(Cheatham elementary School, 1501 Hopewell Dr, Allen, TX 75013)

| July 13-17 | Enjoyable Programming using Alice & JavaScript |
| July 20-24 | Animation using Scratch |
| Level 2: 6-8 graders | Level 1: 3-5 graders |

Computer lab will be used, Laptops optional.
9am-2pm daily, Registration fee: $200
Registration will close once the lab capacity is reached.
Registration @ bit.ly/allenisd-utd
Questions? csk12@utdallas.edu
**Enjoyable Programming using Alice & JavaScript** This camp is perfect for middle school students who have not done any programming so far. Alice tool uses drag and drop programming, which means there is no room for syntax errors! You can convert your idea to code quickly and see it in action! You can code 3D animations or games with ease. Alice comes with a powerful graphics library that minimizes coding effort. Visit [www.utdallas.edu/~jeyv/alice](http://www.utdallas.edu/~jeyv/alice) to preview the content.

After covering Alice for 3 days, we will move to JavaScript for the final 2 days. KhanAcademy-Javascript environment features a web-page with coding area and virtual canvass area for output. As you type the code, output appears/changes. This friendly environment comes with a powerful graphics library that minimizes coding effort. If you want to preview the workshop content, visit [www.utdallas.edu/~jeyv/kajs](http://www.utdallas.edu/~jeyv/kajs). While instant drawing output keeps the students’ enthusiasm, students will get used to dealing with syntax errors in a friendly way.
Animations using Scratch  MIT Scratch is a GUI based programming environment. While it has a friendly interface that appeals to young children, it has tons of functionality! You can do 2D animations of objects, create cool drawings, make a character sing a tune, develop an interactive game (control it with various inputs including voice!) and even narrate a story with images! Go to scratch.mit.edu to check out the tool and lots of examples. We will use a specific list of examples shown in www.utdallas.edu/~jeyv/scratch. Scratch uses drag-and-drop programming which means no syntax errors – program is always ready to run! It enables the young learners to focus on the logic instead. This camp is for beginners – no prior experience is required.

Make fancy drawings:

Create Games:

Write Stories:

It is spooky in here!