ORLANDO SCIENCE CENTER

Dear Caregivers,

It is a pleasure to welcome your child to the Orlando Science Center's Summer Camps and *Coding Cadets* for *grades 3-4*. This week will be incredibly fun-filled and provide your child with a variety of hands-on, exploratory learning experiences. In order to help you discuss with your child what he or she has seen and done each day, we would like to give you an overview of the camp for this week.

Sincerely,

OSC Summer Camp Staff

Coding Cadets – Peek at the Week

Step 1: Wake up! Step 2: Come to OSC Summer Camp! Step 3: Have fun! Learn to create your own virtual stories and adventures step-by-step through a variety of popular, new coding programs! We'll explore the secrets of binary code, solve fascinating puzzles, and learn how to program our friends.

Monday – Beginning with Binary: On the first day of camp, we will learn how to write our names in binary code like real computer programmers. Then we will dive into coding, learning the basics and gaining confidence as our abilities grow.

Tuesday – Robotics: Campers will participate in Hour of Code, a sensation that is sweeping the nation! We will also learn about how robots are programmed, and craft a robot to take home.

Wednesday – Coding Images: Today we will pair up to explore how images translate into code. Then we will dream up a story and start bringing it to life through the Scratch animation program.

Thursday – Bee the Programmer: On this day of camp, we will explore the world of programming by writing code for an animated bee! Then, we will work as a team to engineer a hand pollinator, a device that will allow us to pick up "pollen" and mimic the action of bees.

Friday – We are Code Creators: It's show time! We will wrap up the week by putting the finishing touches on our Scratch story animations, and have a viewing party. Later, we will create an interactive game app with our friends.