



### **Coding Description (Scratch ONLY):**

The ability to code is a key component of technology education today. Our coding program will teach students important strategies to enhance their logic and problem-solving skills, as well as help them work toward becoming technological innovators of tomorrow. Our program offers a skill level progression of coding concepts. Students will be introduced to basic coding with a fun, user-friendly coding software.



### **Coding Description (Scratch + Building with WeDo or EV3):**

Bring LEGO® Bricks to life with coding! The ability to code is a key component of technology education today. Our coding programs will teach students important strategies to enhance their logic and problem-solving skills, as well as help them work toward becoming technological innovators of tomorrow. Our programs offer skill level progression of coding concepts as students advance through multiple levels from beginner through advanced. Students will build models with LEGO® Education's WeDo or EV3 elements, then control their models with the codes they write.



### **Video Game Design Description:**

Students will develop a range of coding and problem-solving skills as they create fun video games. Game designers will think creatively, reason systematically, and work collaboratively to create various video games. Each Game Design unit includes a themed mini-model built with LEGO® Bricks that will be the main character of all of the games. Each game progressively teaches more advanced capabilities within the video game design software. Students will be proud and excited to actually play their very own completed video games.



### **EV3 Mindstorm Robotics Description:**

Experience the cutting edge of technology with the introduction of LEGO MINDSTORMS EV3 Robotics. Students will be captivated as they incorporate the newest generation of motors, sensors and software by programming their commands directly into the intelligent brick. Test their capabilities by moving an object with a robotic claw, building a robot that draws, or creating a mouse trap. Our endless list of builds is sure to provide the complete fundamental components of robotics at its best.



### **Stop Motion Animation Description:**

Light, cameras, LEGO action! Use LEGO bricks to tell YOUR story, complete with music, special effects and all your favorite LEGO mini-figure characters! In this unique and creative camp, students will plan, script, stage, shoot, and produce their own mini-movie using Stop Motion Animation. Working as a team, students will use LEGO components to build the set and props, then shoot their movie using a camera. Teams will use movie-making software to add special effects, titles, credits and more. When the movie is complete, campers will impress friends and family with a screening party on the last day of camp. Don't miss your chance to be a movie producer!



### **Comic Creator Description:**

Do you love comics? Have you ever wanted to write your own story or make your own comic strip? This camp is for you! Campers will invent, develop and create their very own story, build models using LEGO® bricks and use these images to create a unique comic strip that is theirs to keep! Watch your lego creations come to life in this unique and exciting LEGO® brick camp! Projects will utilize traditional bricks, and art mosaic LEGO® bricks as well as laptops and cameras to produce their very own LEGO® comic strips!



What is better than a hands-on class where students can build motorized structures out of LEGO® Bricks, using one-of-a-kind model plans designed by Bricks 4 Kidz®! Instructional content is multi-disciplinary and designed by educators to increase the student's general knowledge and introduce S.T.E.M. (science, technology, engineering and math) concepts related to the day's model. Lessons are designed around students' interests, with themes such as animals, space, transportation and sports.