

SUMMER DAY CAMPS

IGNITING IMAGINATIONS

Dear Camp Families,

Thank you for signing your child up to participate in iSPACE Deep Space Bots. This week your son or daughter will learn how to design, build, and program an innovative, multi-functional LEGO EV3 planet exploring robot! We will discuss the future of space travel and the practical problems of sending humans and robots into space. We will also explore space through Google Sky and learn about galaxies, stars, nebulae and exoplanets.

This iSPACE camp is centered on the concept of terraforming. The junior robotics engineers will be assigned moon training missions to ready themselves and their robots for the final challenge: terraforming the imaginary planet Pantheon. Ten missions will be created for them on a game board simulating the science of what will be necessary to actually terraform an alien planet.

We are starting the week off designing and building basic robots and learning the basics of programming them to accomplish an "output only movement task" on the practice board. From there, these budding robotics experts will add touch, light, sound and ultrasonic sensors to accomplish increasingly challenging missions!

We hope that your robotics engineer will have fun as well as learning some engineering and real world problem-solving skills this week!

Please join us Friday afternoon, from 1:45 p.m. - 2:00 p.m. for our Open House.

Commander Matt

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