

# BRIXOLOGY

## Brixology Fun-damental

### AEROSPACE

Launch your imagination to new heights as you explore **aerospace engineering**! Discover the secrets of working in space – efficiency and compact design. Create a trussed space station module, then connect it with others to create a massive modular spacecraft.



This fun filled 4 or 5 day camp provides these 4 builds and then your engineer gets to make them better!

Day 5 is an extra build that the campers and the instructor will decide on based on their experiences during the week.

### BRIDGES

How can you build the strongest bridge? Work together with your fellow **civil engineers** to build and test different bridge designs. Then use what you've learned to create the strongest bridge possible.



### CARNIVALS

Feel the thrill as you build a spinning swing ride! Learn about the forces and **mechanical engineering** concepts behind some of your favorite amusement park rides. Then improve and test the design to create an even wilder ride.

### CREATURES

Discover nature's engineering secrets as we investigate **biomimicry**! We can learn a lot about efficient design from observing plants and animals. Build a walking insect machine then test different ways to help it climb up the steepest branch.



**Brixology Fun-damental and Brixology Ultimate have different builds/problem solving. You do not have to take Fun-damental to take Ultimate.**