

Brickapalooza

LEGO® Creative Building (Age 5-8)

Young children are given basic challenges and are encouraged to build creatively in a hands on environment. The instructor uses a variety of methods to guide students through the problem solving process ensuring the students learn and have fun at the same time.

Children will learn about basic engineering principles as well as friction, simple levers, motion, and momentum. In some sessions team building will be encouraged to solve problems like planning a city or building simple items for use around the house.

Generally run as 4-6 week sessions with a different theme introduced each week. Individual introductory trial classes can also be scheduled. In all cases children are encouraged to think “outside the box”, experiment, test, and improve on their solutions.

Class themes include but are not limited to the following...

- Gravity Racers – Have fun racing custom cars down a ramp while learning basic principles about gravity, friction, and motion. *
- I’ve Been Working on the Railroad – Build custom train cars to get loads from point A to point B while learning about friction, centrifugal forces, and momentum. *
- Catapults – Build simple catapults that launch ping-pong balls at targets while learning about levers, storing, and releasing energy (work in small groups).
- City Planning – Children work cooperatively to build and engineer their own city while providing essential services to the population.
- Bridges – Learn about different types of bridges and where they get their strength. Build bridges to cross a span and test them for strength, flexibility, and durability.
- Architecture – Students work in teams to design and build houses both whimsical and efficient while including facilities that every home requires.
- Custom Themes – Have a school project or assignment that needs some hands on explanation. Let us know the problem and we will come up with a LEGO theme curriculum as a fun teaching tool.

* Classes available as one time introductory classes.