



# Snapology®

**Johnstown/Indiana, PA**

Field Trip, Special Event,  
and After-School  
Program Information

# What is Snapology?

- ❑ Snapology provides a fun environment for children to learn math, science, technology, engineering, and literacy concepts using Lego® bricks and other similar building tools.
- ❑ Snapology programs started in Pittsburgh, and programs are currently offered in 17 cities in the US and Canada. Each location is owned by a licensee.
- ❑ Curriculum is developed based upon STEM principles. Snapology offers over 20 different types of classes that incorporate STEM concepts. (Full class catalog at [Johnstown.Snapology.com](http://Johnstown.Snapology.com))
- ❑ Snapology class sessions include time for creative building, a structured interactive lesson, assistance with model building, and public speaking/presentation opportunities.

For more information:

See our Website: [Snapology.com](http://Snapology.com) and location-specific: [Johnstown.Snapology.com](http://Johnstown.Snapology.com)

See our video on [Youtube: http://youtu.be/LYFmHgg88Y8](http://youtu.be/LYFmHgg88Y8)

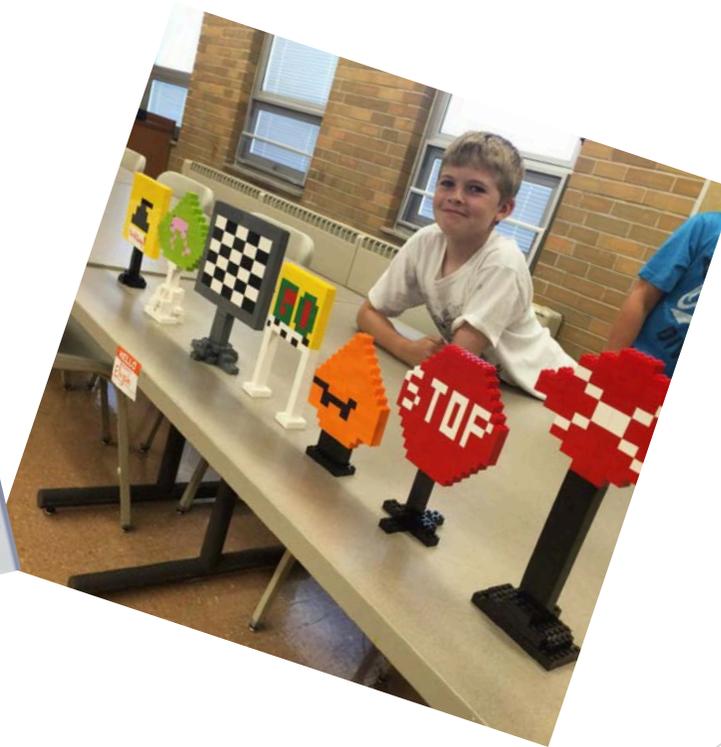
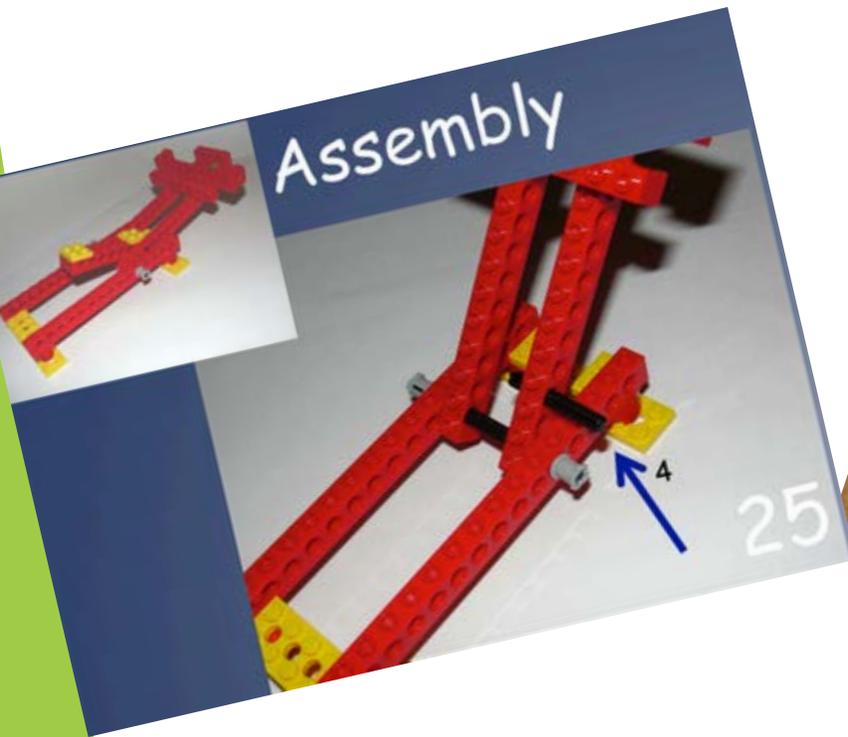
# Types of Programs Offered

- Camps
- Classes
- Pre-School Programs
- Birthday Parties
- After-school Enrichment Programs
- Homeschool Events
- Scouting Events
- Workshops



# Educational Benefits

- ❑ Hands-on learning
- ❑ Passive learning using familiar themes that are of interest to students
- ❑ Improved social skills through partnering and teamwork
- ❑ Students improve gross and fine motor skills
- ❑ Animation and robotics programs introduce children to new technical platforms/uses





# Class Examples



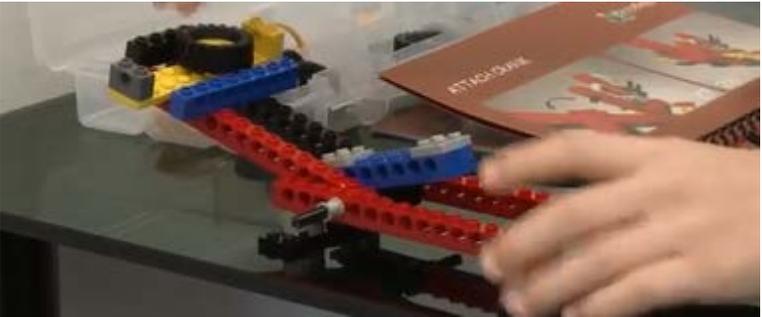
Combat Robots



Animation Studio



Create a Zoo



LEGO Engineers



Amusement Park Adventures



Awesome Adventures Robotics

# More Details, Please!!

- Safety First:
  - All instructors and coordinators have PA Childline, Criminal History, and FBI clearances and required training hours
  - We have a formal education program for all Snapology employees regarding child safety, abuse awareness and prevention, and situational awareness.
  - Our insurance coverage will extend to your location. You will receive a certificate of insurance.
- Elementary and middle school classes are instructed by certified teachers. Preschool classes are instructed by experienced daycare and pre-school teachers.
- Program cost is reasonable: Afterschool programs: \$7 - 10 per hour per child. Field trip and special event cost is scalable and reasonable (see slide 11)
- A coordinator will be assigned to provide assistance with class logistics at your facility
- Snapology has online enrollment available, but not required to register
- Programs can be regularly scheduled or ad-hoc
- We can partner with your organization for special events, celebrations, field trips, etc.
- Custom programs can be developed and delivered upon request

# After-School Enrichment Programs

- Series of programs can be 4 - 8 weeks in length
- Classes can be separated by age group
- Events and classes may be coordinated as a fundraising activity by PTA/PTO (registration forms, confirmations, payments) or let us do the work
- Promotional giveaways available for PTA/PTO (earn or win afterschool session)
- Facility requirements are flexible: classroom, library, cafeteria, or gym
- Minimum class size of 10 / Maximum 24
- Teacher assisted by a high school helper and central coordinator
- Snow day make-up sessions can be built in to schedule
- Payment options flexible depending on arrangement (fixed fee with school, per-child/ pay in advance online or on day of class)

# After-school Program Example Schedule

<u>Grades</u>	<u>Days</u>	<u>Dates</u>	<u>Program</u>
<b>Session I – October/November</b>			
K-3	Tuesdays		Lego Minecraft
4-6	Thursdays		Lego Combat Robots
<b>Session II – January/February</b>			
K-3	Tuesdays		Amazing Animals Robotics
4-6	Thursdays		Inventors' Club

# Example Field Trip Option 1:

Rotation through short-duration stations (30 min per rotation, 30 students max/group. Choose a few of the following.):

- Lego® Robot Football Challenge: Build a remote-controlled robot and challenge a friend to a friendly game of football.
- Catapult: Build a catapult using Lego® Technic bricks and launch cotton balls at a target.
- Mosaics: "Draw" your favorite fictional or historical character using small Lego® Mosaic bricks.
- Tower Challenge: Work in teams to build a tower that is able to withstand an earthquake. The tallest tower that survives our "earthquake" (shaking the tower) is the winner.
- Build a Race Car: Learn the basics of race car design (aerodynamics, stability, center of gravity) and build a Lego® car. Race it down Snapology's race track.
- Amusement Park Adventures: Build a roller coaster incline and attach a battery-powered motor.

# Example Field Trip Option 2:

Rotation through longer-duration stations (45 - 60 min rotations, 20 students max per group. Choose a few of the following):

- Inventor's Club: Using laptops, motors, sensors, and basic programming skills, build and program a robotic model (This is the popular Lego® WeDo® program, which includes a drumming monkey, dancing birds, sailboat, etc.)
- Bridge Build: After a short lesson on bridge design principles and history of bridge building (styles, materials, purposes), work with a partner to build a Lego® bridge then test its strength.
- Build a Zoo: With a partner, choose an animal card and build that animal and its habitat using various colors and sizes of Lego® bricks. Put all of your animals together to make a zoo and show your classmates what you built.
- Spin Art: Using Lego® Technic bricks, axles, gears, and motors, build a spinning platform. Add a paper plate and create your own spin art using markers.
- Animation Studio: Using laptops and cameras, learn some basic techniques of stop motion animation, then film your own short video.
- Architecture: Learn some basic architectural styles, then work with a partner to create a building using one chosen style.

# Example Scouting Events (one-time events):

One-time Events (2 - 4 hours, choose 1 or 2 activities):

- ❑ Animation Studio: Using laptops and cameras, learn some basic techniques of stop motion animation, then film your own short video.
- ❑ Bridge Build: Single After a short lesson on bridge design principles and history of bridge building (styles, materials, purposes), work with a partner to build a Lego® bridge then test its strength.
- ❑ Spin Art: Using Lego® Technic bricks, axles, gears, and motors, build a spinning platform. Add a paper plate and create your own spin art using markers.
- ❑ Lego® Scientists: Learn about and build Lego® models of ecosystems and chemical compounds; experiment with surface tension, momentum, and friction; explore the solar system; and more.
- ❑ Build a Race Car: Learn the basics of race car design (aerodynamics, stability, center of gravity) and build a Lego® car. Race it down Snapology's race track.
- ❑ Holiday/Seasonal or Theme Party: Monster Mania; Lego Christmas; Summer Beach Party; Spiders and Snakes; Lego® Campout; Jurassic Park (Dinosaurs); Star Wars (Space Science)

# Example Scouting Events (Multiple Sessions):

Multi-session Events (2 - 8 sessions, 2 - 4 hours per session, choose one)

- ❑ Inventors' Club: Using laptops, motors, sensors, and basic programming skills, build and program a robotic model (This is the popular Lego® WeDo program, which includes a drumming monkey, dancing birds, sailboat, and other working models.)
- ❑ Lego® Engineers: Using Lego® Technic bricks, learn the basic concepts behind simple machines. Build a catapult, a rubber band-powered car, a windmill, a crane, and more.
- ❑ Animation Studio: Using laptops and cameras, learn some basic techniques of stop motion animation, then film your own short video.
- ❑ Lego® Scientists: Learn about and build Lego® models of ecosystems and chemical compounds; experiment with surface tension, momentum, and friction; explore the solar system; and more.

# Other Event Options:

Create your own:

- Tell us about a specific lesson you are working on and we can design a program to incorporate those ideas into a Lego® building activity. Are you learning about Presidential history? Let's build the White House! The possibilities are limitless.

Out-of-school trip:

- Would you like to visit a historic site or the location of an amazing feat of engineering? Take Snapology with you! We will incorporate a lesson related to the location of your choice. If you are visiting an incline, we can go along and have the kids build their own small model incline and discuss the build and design process. Historic buildings or bridges? Let's build a scale model of the building or bridge together and learn some sturdy building concepts.

## Field Trip, Special Event, and Scouting Event Pricing:

Dependent on number of participants and length of session. Here are some example costs:

- ❑ 2-hour session with 1 Snapology teacher providing a guided activity for up to 40 children: \$100
- ❑ 2-hour session with 1 Snapology teacher and 1 Snapology assistant instructor providing station-based activities for up-to 40 children at a time: \$150
- ❑ 3-hour session with 1 Snapology teacher and 1 Snapology assistant instructor providing station-based activities for up-to 40 children at a time: \$225
- ❑ 3-hour session with 2 Snapology teachers, 1 Snapology assistant instructor, and 1 Snapology coordinator providing multiple station-based activities for up-to 120 children at a time: \$450 (classroom teacher required to assist and accompany each group of 30 students)
- ❑ Multi-day all-school field trips and large group gatherings also available

How to Contact Us:

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