



education™

STEAM Park Carnival

A LEGO® Education Program
Introductory STEAM Program

STEAM Park Carnival – Showtime!

LEGO® Education STEAM Park Introductory STEAM Program

Program Overview:

5 days

3 hours per day

Early Childhood STEAM Park Program

This 5-day STEAM program is based around people, animals, and food you might find when visiting a carnival. Each day, students will explore one aspect of the week's theme, incorporating STEAM focused hands-on activities to promote 21st century skills as well as art, music, literacy and physical activity. Daily challenges will help students develop skills and knowledge to complete the culminating project, to work together to create a show for visitors to see at the STEAM Park Carnival.

Program at a Glance		
Day 1	Welcome to the Carnival <ul style="list-style-type: none">What is a STEAM Park CarnivalWho can I find at the carnival?	<ul style="list-style-type: none">Students are introduced to this week's theme and the LEGO® Education STEAM Park set.Students are introduced to Mr. Parker, the STEAM Park manager, and his friends. They learn about the problem Mr. Parker has regarding the STEAM Park Carnival and begin to work together to help him.
Day 2	Let's Eat <ul style="list-style-type: none">What kind of food do you eat at a carnival?How can I use my senses to describe different foods?	<ul style="list-style-type: none">Students will investigate different types of food and the places people eat at a carnival.They will learn about the 5 senses and build a place for people visiting the STEAM Park to eat.
Day 3	On Stage <ul style="list-style-type: none">What types of entertainment are found at a carnival?	<ul style="list-style-type: none">Students will learn about different types of performances visitors watch at a carnival.They will create musical instruments and a performance to



	<ul style="list-style-type: none"> What special skills do performers have? What materials make sounds for a carnival performance? 	include in a show!
Day 4	All About Animals <ul style="list-style-type: none"> What animals are found at a carnival? What do animals need to be happy and healthy? How do animals stay safe at night and in bad weather? 	<ul style="list-style-type: none"> Students will learn about animals at a carnival, investigate the needs of an animal and build a shelter to protect an animal from the weather and provide a place for the animal to sleep.
Day 5	The Show <ul style="list-style-type: none"> How can we use STEAM to put on a show? 	<ul style="list-style-type: none"> Students will work together to create a STEAM Park Carnival Show. Groups will choose and build either a place to eat, a performance, or animals and a shelter for visitors.

Prior to First Day of Program:

1. Organize STEAM Park sets in large bins.
2. Determine a naming convention for each set of STEAM Park bins. You could use colors, shapes or a familiar image so students can easily locate their set. Students will work in teams, so the naming convention you select could also serve as the team name for the group.
3. Gather any consumable materials needed for the week.
4. Locate books or other types of media to use to support the daily themes for the program.
5. Determine procedures for getting out STEAM Park sets, working collaboratively and cleaning up each day.
6. Create student journals for students to use during the week. You can use plain paper or story paper (place for student drawing and lines for writing). Place a construction paper cover on the front and back. Students will be designing the front of their journals. If you know student names, write the name of the students on each journal.
7. Prepare the Six-Bricks sets. When Six Bricks is mentioned in the activities, it refers to a set of six 2 X 4 (two studs by four studs) LEGO® DUPLO bricks. (Each set has one 2 X 4 of each color – red, orange, blue, green, lime green, yellow.) Each set of six bricks are built identically, so they can be used for a variety of activities. Six of the Six-Brick sets can be created from one box of LEGO® Education Creative DUPLO sets. Build sets of Six Bricks prior to the first day. Extra DUPLO pieces can be used as additional pieces for other building activities during the week.



Ideas for before and after program attendees

Place a pile of LEGO® DUPLO bricks in an area for

- Sorting
- Free building
- Building letters
- Counting and grouping
- Building stories
- Building tall structures
- Making patterns

STEAM Park Carnival: Showtime

Day 1

Welcome to the Carnival

Students are introduced to this week's theme and the LEGO® Education STEAM Park set.

Students are introduced to Mr. Parker, the STEAM Park manager and his friends. They learn about the problem Mr. Parker regarding the STEAM Park Carnival and begin to work together to help him.

Big Questions:

What is a STEAM Park Carnival?

Who can I find at the carnival?

Materials needed for the day:

- LEGO® Education STEAM Park set
- Six-Brick sets Or LEGO® DUPLO bricks
- Books about fairs or carnivals
- Chart paper
- Student journals (could be paper stapled together with students creating the outside of the journal using construction paper and other consumable materials). Example journal page is included at the end of Day 1 lesson plan.
- Various age appropriate craft materials
 - Crayons
 - Child safe markers
 - Paper plates
 - Pom poms
 - Glue sticks
 - Construction paper
 - Scissors
 - Big googly eyes
 - Yarn



Day 1: Outline for the day

	Task	Time	Materials
Welcome (30 min)	Program Rules and Expectations	5 min	<ul style="list-style-type: none"> • Chart paper • Markers
	All About Me	15 min	<ul style="list-style-type: none"> • Paper • Markers • Construction paper • Scissors • Glue sticks
	Wonderings	5 min	<ul style="list-style-type: none"> • Chart paper • Markers
	Important message from the STEAM Park Manager	5 min	<ul style="list-style-type: none"> • None
Let's work together!	Tallest Tower	10 min	<ul style="list-style-type: none"> • Six-Brick sets Or • LEGO® DUPLO bricks
	Clean Up	3 min	
Circle Time: Stories and Songs	Book or Story about carnivals	10 min	<ul style="list-style-type: none"> • Book about a carnival or fair
	Songs about carnivals	5 min	<ul style="list-style-type: none"> • Song about a carnival or fair
Let's Build STEAM Activity 1	Functional Elements	20 min	<ul style="list-style-type: none"> • LEGO® Education STEAM Park set
	Clean Up	3 min	
Break	Snack and Restroom	20 min	<ul style="list-style-type: none"> • Snack
Let's Move	Brickercise	15 min	<ul style="list-style-type: none"> • Six-Brick sets • Or LEGO® DUPLO bricks
	Clean Up	3 min	
Let's Create	Clown Faces	15 min	<ul style="list-style-type: none"> • Paper plates • Pom poms • Glue sticks • Markers • Construction paper • Scissors • Big googly eyes • Yarn • Other age appropriate craft materials
	Clean Up	3 min	
Let's Build STEAM Activity 2	Welcome to STEAM Park	30 min	<ul style="list-style-type: none"> • LEGO® Education STEAM Park set
	Clean Up	3 min	
Let's Celebrate the Day!	Student journals	10 min	<ul style="list-style-type: none"> • Teacher created student journals

