

# Thought Starters for Educators

LEGOLAND® New York Resort offers a wealth of opportunities for learning during a self-guided field trip. This list of study topics suggests attractions and areas of the park students can visit to enhance their learning experience at LEGOLAND. Use this Study Topics guide in conjunction with our Park Map to help build and Awesome Learning Adventure for your students.

## **Study Topics:**

\*\*Theme Park Attractions below are color coded and numbered to correspond with the Park Map available at Park entrance or for download online at [www.LEGOLAND.New-York.com](http://www.LEGOLAND.New-York.com)

## **Modes of Transport**

\*Encourage students to observe and analyze the similarities and differences of a wide range of different forms of transport: train, bicycle, car, boat, ship, jet ski.

Rides/Attractions:

(16) DUPLO Express, (37) Merlin's Flying Machine, (53) Junior Driving School, (54) Driving School, (58) Coast Guard Academy, (73) Splash Battle, (76) Rogue Riders

## **Forces**

\*Challenge students to identify the different forces used on our rides - push, pull, gravity - and the ways friction is used or overcome.

Rides/Attractions:

(13) DJ's Dizzy Disco Spin, (25) Jay's Gravity Force Trainer, (40) The Dragon's Apprentice, (42) The Dragon, (44) Tower Climb Tournament, (37) Merlin's Flying Machine, (64) Fire Academy, (76) Rogue Riders

## **Numeracy**

The Resort provides great opportunities for key mathematical skills to be used in realistic and engaging settings.

\*Ask students to estimate distances and calculate how many LEGO bricks are used in certain models. Discuss the concept of ratio and scale using miniature models. Have students record and present data, such as the number of people waiting in line at various times of the day.

Rides/Attractions:

(80-88) Miniland, (22) LEGO Dots, (34) Friends Nature Trail

## **Mechanisms**

\*Students will identify the mechanisms and sources of power used to operate the different rides in the Resort including electric motors, gravity, counterbalance, pulleys, pumps, and pneumatics.

Rides/Attractions:

(9) Brick Party, (13) DJ's Dizzy Disco Spin, (16) DUPLO Express, (20) LEGO Factory Adventure Ride, (25) Jay's Gravity Force Trainer, (30) LEGO NINJAGO The Ride, (37) Merlin's Flying Machines, (40) The Dragon's Apprentice, (42) The Dragon, (44) Tower Climb Tournament, (53) Junior Driving School, (54) Driving School, (58) Coast Guard Academy, (64) Fire Academy, (69) Anchors Away!, (73) Splash Battle, (76) Rogue Riders, (80-88) Miniland

## **Social Studies**

\*Encourage Students to observe and discuss the features of many historical buildings, monuments, and landforms represented in LEGO structures.

Rides/Attractions:

(80-88) Miniland, (10) LEGO Rebuild the World

## **Map Skills**

\*Students will practice mapping skills such as map reading using map keys while exploring the Resort.

## **Writing**

A day at the Resort will offer a starting point for a range of literacy activities, from chronological report writing and presentations to descriptive, narrative, and fictional story writing.

\*Students will write opinion pieces on topics or texts, supporting a point of view with reasons. Students will write informative/explanatory texts to examine a topic and convey ideas and information clearly. Students will write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences.