

# STUDY TOPICS: 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 an Awesome Learning Adventure for your students.

## 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 and jet ski.

## Rides/Attractions

16 DUPLO® Express, 37 Merlin's Flying Machines, 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 Dragon's Apprentice, 42 The Dragon, 44 Tower Climb Tournament, 37 Merlin's Flying Machines, 64 Fire Academy, 76 Rogue Riders

## Numeracy

The Resort provides great opportunities for key math 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.

## Rides/Attractions

85 Miniland, 22 LEGO Dots, 34 Friends Nature Trail



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## Social Studies

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

## Rides/Attractions

85 Miniland, 10 LEGO Rebuild the World

## 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

## 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 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.

