

Objective

By the end of this lesson, Jordan will have a deeper understanding of engineering concepts, creativity, and teamwork through the lens of building and designing with LEGO. Additionally, Jordan will plan a fun and educational field trip to Legoland, learning how to set goals and organize activities for the trip.

Materials and Prep

- Notebook and pen for taking notes
- Access to a computer or tablet for research
- LEGO bricks (optional, for hands-on activities)
- Printouts of Legoland maps and attraction lists
- Access to Legoland's website for information on attractions and ticket prices

Before the lesson, familiarize yourself with the attractions at Legoland and gather any necessary printouts or digital materials. This preparation will help in planning the field trip effectively.

Activities

• Research Legoland Attractions

Jordan will explore the various attractions at Legoland, noting the ones that interest him the most. This can include rides, shows, and interactive exhibits. Jordan can create a list of his top five attractions.

• Design a LEGO Project

If Jordan has LEGO bricks available, he can choose one of the attractions he researched and create a mini model of it. This will help him apply his understanding of design and engineering principles.

• Plan the Trip

Jordan will create a detailed plan for the field trip, including transportation, budget, and a schedule for the day. This will teach him valuable skills in organization and time management.

• Group Discussion

If possible, involve family members in a discussion about what they would like to see at Legoland. This will promote teamwork and collaboration in planning the trip.

Talking Points

- "What are some of the engineering principles that you think are used in building attractions at Legoland?"
- "How can creativity play a role in designing a LEGO project?"
- "Why is it important to plan ahead for a field trip? What factors should we consider?"
- "Can you think of ways to work with others to make our trip even more fun?"
- "What was your favorite LEGO set to build, and why did you enjoy it?"