

Objective

By the end of this lesson, the student will understand the basics of how train tracks are built, the history of trains, and the concept of magnets in trains. The student will also improve their spatial awareness by building their own train tracks.

Materials and Prep

- Small toy trains (if available)
- Blocks or any other building materials (like cardboard, books, etc.) to create train tracks
- Magnetic items (like fridge magnets or magnetic toys)
- Space to build the tracks (a large flat surface)

Before the lesson, make sure to gather all materials and prepare a clean space for building. Familiarize yourself with some fun facts about trains and magnets to share during the lesson.

Activities

• Track Building:

The student will use blocks or other materials to design and build their own train tracks. Encourage them to think about curves, straight paths, and how the train will move along the track.

• Magnet Exploration:

Using magnetic items, the student will learn how magnets work by connecting and disconnecting them. Explain how magnets can help trains stay on track and move smoothly.

• Train History Storytime:

Share a short story about the history of trains, mentioning how they were built and their importance in travel and transportation. Use simple language and exciting expressions to keep the student engaged.

• Track Testing:

Once the tracks are built, let the student test their train on the track. They can observe how the train moves and make adjustments to their track design if needed.

Talking Points

- "Did you know that trains have been around for a long, long time? They help people and things travel far away!"
- "Look at how the train goes around the curves! Tracks help the train stay on the right path."
- "Can you feel how strong the magnets are? They help the train stick together!"
- "If the track is not straight, what do you think will happen when the train goes on it?"
- "Why do you think trains are important? They can carry lots of people and goods quickly!"