

Train themed week, including maths to do with addition and subtracting loads of a train, date and time the loads are to arrive.
Train themed books Visiting the Ipswich Train museum in brisbane - enjoying the displays, craft time and exploring the centre.
Train themed artwork train themed science experiment Research about trains on britannica, who invented the first train, what kind of trains are there. / Lesson Planner / LearningCorner.co

Objective

By the end of this lesson plan, the student will have a greater understanding of trains, including their history, types, and the math involved in loading and scheduling train arrivals. The student will also create art, engage in science experiments, and explore train-themed literature, enhancing their creativity and critical thinking skills.

Materials and Prep

- Train-themed books (e.g., "The Little Engine That Could")
- Art supplies (colored paper, markers, scissors, glue)
- Simple math worksheets for addition and subtraction
- Science experiment materials (e.g., toy trains, ramps for rolling)
- Access to Britannica for research
- Notebook for taking notes
- Scheduled visit to the Ipswich Train Museum

Activities

• Reading Time:

Start the week by reading train-themed books. Discuss the stories and what makes trains special. Ask the student what they learned from the stories.

• Math with Trains:

Create a math activity where the student adds and subtracts loads on a train. For example, if a train has 10 boxes and 3 are taken off, how many are left? Use toy trains as visual aids.

• Art Project:

Make a train collage using colored paper and markers. The student can design their own train and decorate it with their favorite colors and patterns.

• Science Experiment:

Conduct a simple experiment where the student builds a ramp for toy trains to see how far they roll. Discuss concepts like gravity and motion.

• Museum Visit:

Take a trip to the Ipswich Train Museum. Explore the displays and participate in any craft activities offered. Encourage the student to take notes or draw their favorite exhibit.

• Research Time:

Use Britannica to find out who invented the first train and the different types of trains. Have the student share what they learned with you.

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Talking Points

- "Did you know that the first steam locomotive was invented by George Stephenson in 1814? What do you think it was like to ride on it?"
- "Trains can carry lots of different things! What do you think is the heaviest load a train can carry?"
- "When a train arrives at a station, it has to be on time. Why do you think that's important?"
- "There are many types of trains, like freight trains and passenger trains. Which one do you think would be more fun to ride?"
- "When we do math with trains, we're solving real-world problems. Can you think of a time when you had to add or subtract something?"
- "Art is a great way to express what you love. How would you design your own train?"
- "Science helps us understand how things work, like why trains can move so fast. What do you want to learn about trains?"