

Science Museum Day

3rd Grade Math Project · Science & Field Trips

Grade 3 · Remedial

Name: _____ Date: _____ Class: _____

The Challenge

Our class is going to the science museum! You are in charge of the schedule and the lab station.

You will make: Museum Day Schedule and Lab Sheet

I can…

- I can tell and write time to the nearest minute.
- I can find elapsed time, start times and end times in minutes.
- I can measure and solve one-step problems with liters, grams and kilograms.

Materials

- Pencil
- Paper clock
- Beaker page

Steps

1. Part 1: Clock Check
2. Part 2: Build the Schedule
3. Part 3: Water and Mass Lab
4. Check your work and share your museum day schedule and lab sheet.

Look for the yellow Hint boxes. They show a first step.

Part 1: Clock Check

The bus arrives at the museum. The clock shows 9:10.

1. Where is the hour hand? Where is the minute hand?

Hint: The minute hand counts by 5s.

2. How many minutes until 10:00?

Hint: 60 minutes in an hour.

Part 2: Build the Schedule

Fill in the end time of each activity. Each one starts when the one before it ends.

Activity	Start	Minutes	End
Dinosaur Hall	9:10	30	9:40
Space Show	9:40	20	

3. What time does the last activity end?

Hint: Add the minutes on a number line.

4. How many minutes do all the activities take?

Hint: Add the minutes column.

Part 3: Water and Mass Lab

At the lab, you measure water and weigh rocks.

5. You pour 3 buckets of 4 liters into a tank. How many liters is that?

Hint: 3 × 4 first.

6. A rock is 350 grams. A crystal is 125 grams. How many more grams is the rock?

Hint: Subtract the masses.

7. Would you measure a backpack in grams or kilograms?

Hint: Heavy things: kilograms.

Extension Challenge

A movie at the museum starts at 1:45 and lasts 50 minutes. When does it end?

How your project will be scored

Learning target	4 Exceeds	3 Meets	2 Approaching	1 Beginning
I can tell and write time to the nearest minute.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can find elapsed time, start times and end times in minutes.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can measure and solve one-step problems with liters, grams and kilograms.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can explain my thinking with pictures, numbers and words.	Clear for every part	Clear for most parts	Some explanation	Little explanation
My museum day schedule and lab sheet is complete and matches my math.	Complete, neat, accurate	Complete	Partly complete	Not complete