

Science Museum Day

3rd Grade Math Project · Science & Field Trips

Grade 3 · Advanced

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. Part 4: Fix the Schedule
5. Check your work and share your museum day schedule and lab sheet.

Part 1: Clock Check

The bus arrives at the museum. The clock shows 9:05.

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

2. How many minutes until 10:00?

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	9:05	45	
Space Show	9:50	35	
Lunch	10:25	40	

3. What time does the last activity end?

4. How many minutes do all the activities take?

Part 3: Water and Mass Lab

At the lab, you measure water and weigh rocks.

5. A tank holds 18 liters. You pour in 3 buckets of 4 liters. How many more liters fill the tank?

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

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

Part 4: Fix the Schedule

The bus leaves at 12:30.

8. The last activity ends at 11:05. How many minutes are left before the bus leaves?

9. Add a 25-minute Robot Lab. Does it fit? Explain.

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