

# Mass of a Car

By Nathaniel Lasry and Kevin Lenton

## Description:

In this single-class activity, students measure the mass of a car using simple tools, create free body diagrams, and find equations of motion describing the two stages of acceleration and deceleration. They learn to apply knowledge of kinematics and dynamics to real world problems and to distinguish inertial mass from gravitational mass. See a full description [here](#).



Out of Class (Instructor)



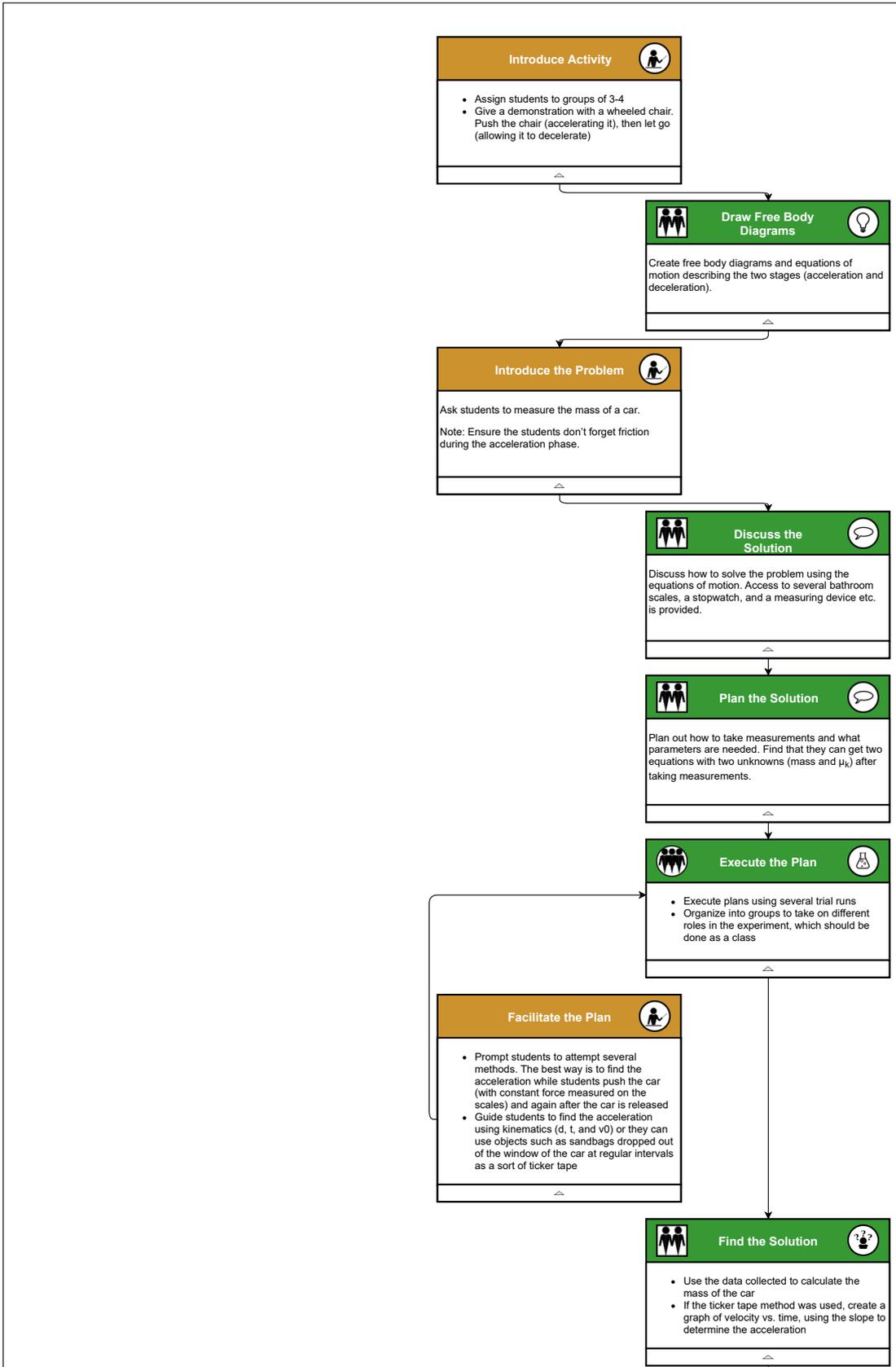
Out of Class (Students)



In Class (Instructor)



In Class (Students)



## Legend

### Context Icons:

- Work in Groups
- Whole Class

### Task Icons:

- Discuss
- Problem Solve
- Create/Design
- Write
- Experiment/Inquiry
- Instructor Orchestration

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	<b>Report Results</b>	
Write up a lab report describing the experiment and result.		
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