



Mechanics Module 3 Activity 2 Preparation

Take a ride in one of the elevators in the tower of the Physics building, McLennan Labs. Observe the spring scale with a mass hanging from it as the elevator goes up and down the tower.

Fill in your observations in the table below and sign and date this form at the bottom. Please bring the completed form to the Practical. Failure to bring this completed form to your Practical will cause a deduction of one mark from your Practical mark.

Elevator number	
Lowest floor when you were in the elevator	
Highest floor when you were in the elevator	
Write down the reading of the scale when the elevator is at rest. Include an error in the value.	
When the elevator starts from rest and starts moving to a higher floor, the mass will oscillate around some central value. Write down that central value and an error in this value.	
Write down the central value and error when the elevator is moving up and slows down as it approaches a floor where it will stop.	
Write down the central value and error when the elevator starts from rest and starts moving to a lower floor.	
Write down the central value and error when the elevator is moving down and slows down as it approaches a floor where it will stop.	

I certify that I took the above data by actually riding one of the elevators in the Physics building and observing the spring scale and mass.

Name (Please print): _____

Signature: _____

Date the above data were taken: _____