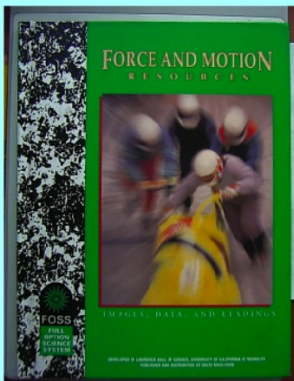


11/30

Speed

#4



Read pages 3-6 *The First In Flight*

**On your white board answer
one of the Think Questions
on P. 6**



- 1) Write equation
- 2) Substitute with units
- 3) Solve
- 4) Box answer with units

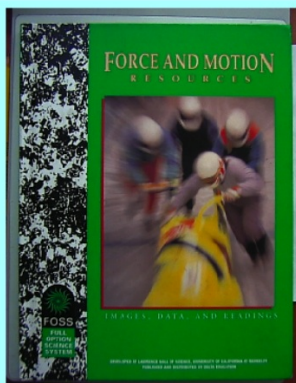
Learning *I can plan an investigation to calculate the speed of a moving*
Target: *object.*

Round to
decimal

11/30

Speed

#4



Read pages 3-6 The First In Flight

Start your diagram on the white board when you have finished reading.



Learning I can plan an investigation to calculate the speed of a moving
Target: object.



Figure 1

-Continue writing your investigation.
-Before you begin trials I need to check over your procedures.



- 1) Write equation
- 2) Substitute with units
- 3) Solve
- 4) Box answer with units

Learning I can plan an investigation to calculate the speed of a moving
Target: object.





Figure 1

Ramp and Car investigation

Question

How does the height of the ramp affect the speed of a car?

Hypothesis

If the height of the ramp is _ then the car will go _____ because _____

Variables

MV- Height of a ramp

RV- Speed of the car

CV- distance of 200 cm (Add 2 more)

Learning Target: *I can plan an investigation to calculate the speed of a moving object.*

11/30

Speed

#4



Materials

Car
Measuring tape
of books

Ramp
Timer
Tape to mark x_i and x_f
Passenger.

Diagram

(see examples)

You must show
reference
points and x_i and x_f

Procedures

(see detailed example)

Learning Target: *I can plan an investigation to calculate the speed of a moving object.*

11/30

Speed

1. Place the ramp on 3 books. Make sure the end of the books match the end of the ramp.

#4

Procedures

2. Use the tape to mark X_i and X_f 200cm.

3. Place the ---- on the back of the ramp.

4. Use the tape to mark X_i and X_f 200cm.

5. Release the car and at the same time start the timer.

6. Stop the timer when the car reaches the X_f .

7. Record the time interval in the data table.

8. Repeat steps 2-6 for 2 more trials.

9. Repeat steps 2-7 for _books and then _books.

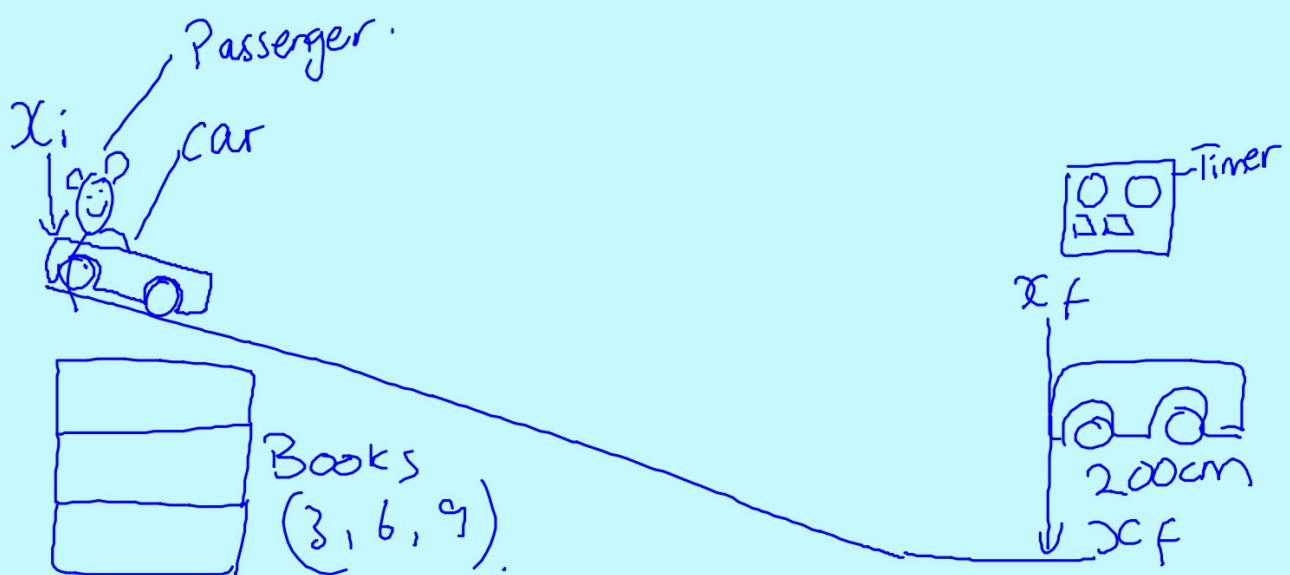
Learning Target: I can plan an investigation to calculate the speed of a moving object.

Data Table

# of Books	2 Books	3 Books	4 Books
Trial 1 (s)			
Trial 2(s)			
Trial 3 (s)			
Average (s)			

Learning Target: *I can plan an investigation to calculate the speed of a moving object.*

Diagram



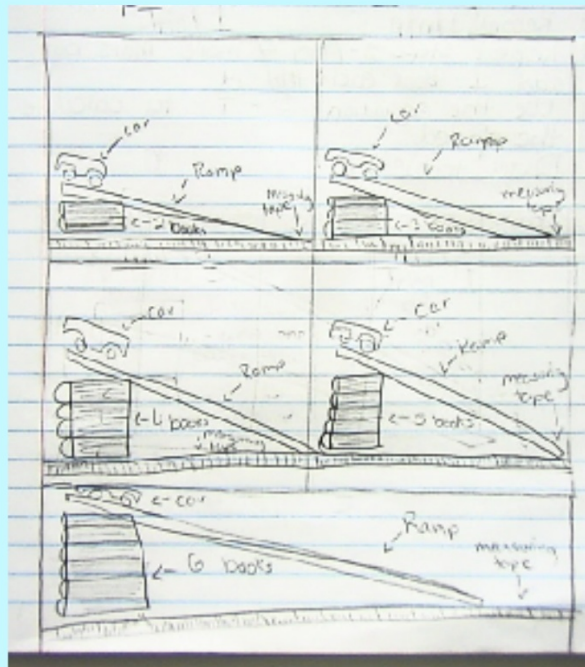
Learning Target: *I can plan an investigation to calculate the speed of a moving object.*

11/30

Speed

#4

Diagram



Learning Target: *I can plan an investigation to calculate the speed of a moving object.*

CLEAN UP

BUCKETS: At the back of the room with tape, measuring tape, timer cars

TEXT BOOKS: In neat piles on the shelf

CALCULATORS : Returned to me. I have 9

WHITE BOARD PENS: Return to bucket

SOFT TOYS: Return to my desk

