

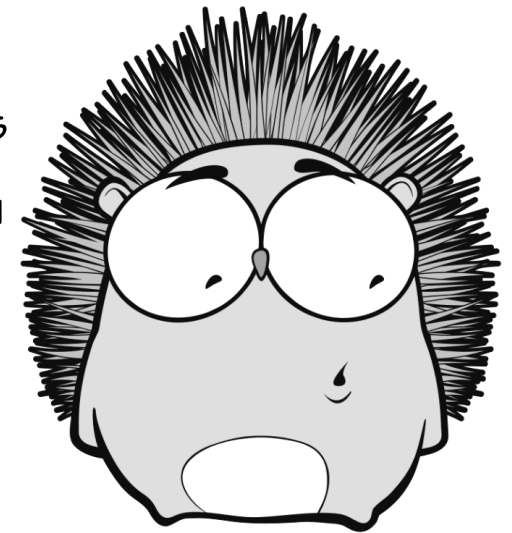
Directions

Starting at the Big Apple (no not New York), the students will look at the graph and follow the arrow with the most accurate description to the next graph. They need to pay special attention, as there are two different graphs. (Distance vs Time & Speed vs Time)

They need to be able to know the difference between the two, to be successful at finishing the maze. The students can color in the arrows and graphs as they complete the worksheet or simply draw a line that follows the correct path.

They will continue this until they reach Isaac, where the secrets of the universe will be revealed to them or he will just offer you an apple.

Optional: For any graph not used you can have the students describe them on the back of the worksheet for bonus points to be used at your leisure.
(Missing assignments, test, projects or other types of assessments)

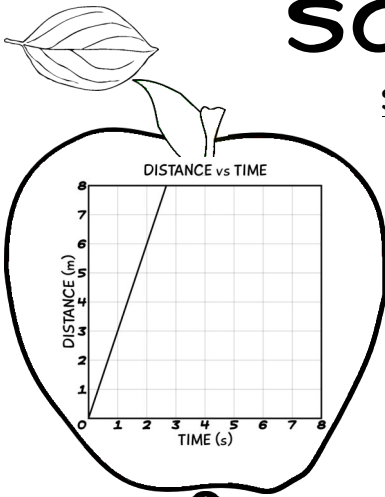


NAME _____

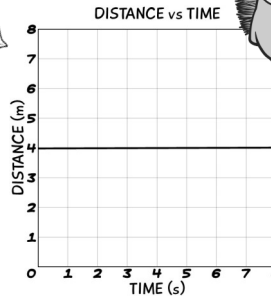
SCIENCE MAZE

SPEED, DISTANCE & TIME

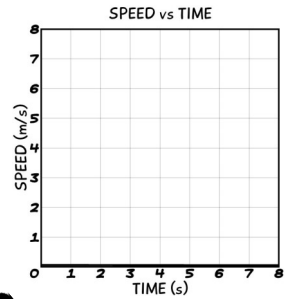
Not all of the apples are used or are they?



Constant Speed
3 m/s



Stopped
at 4 m



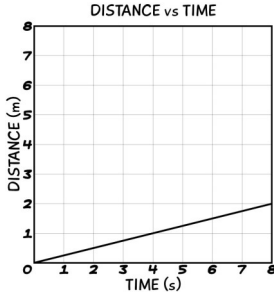
Constant Speed
1 m/s

Flat lined

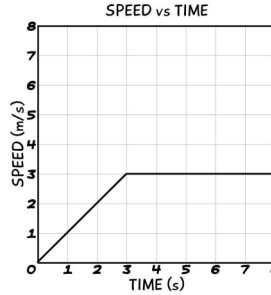
Constant Speed
4 m/s

WHERE'S THE LINE?!

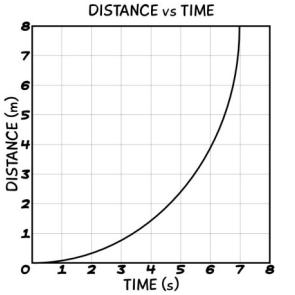
Speed 0 m/s



Constant
Velocity



Constant
acceleration



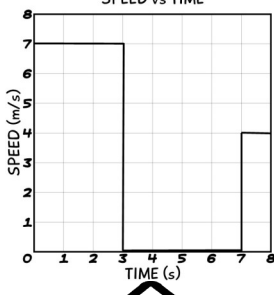
Constant Speed
0.25 m/s

Graph not possible

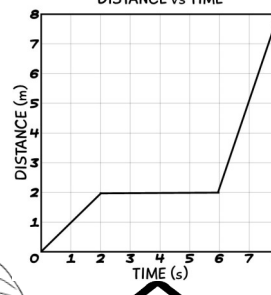
Stopped
at 8 m

Acceleration, 3 secs;
Constant speed, 5 secs

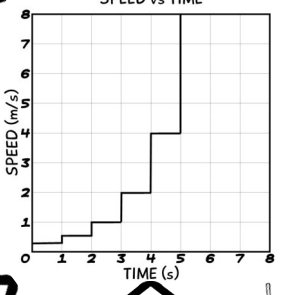
Halfpipe



1 m/s, stopped,
3 m/s



Speed doubles
every second



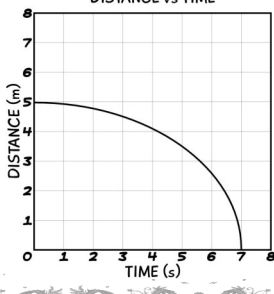
Average Speed
5 m/s

7 m/s (3 sec), stopped
(4 sec), 4 m/s (1 sec)

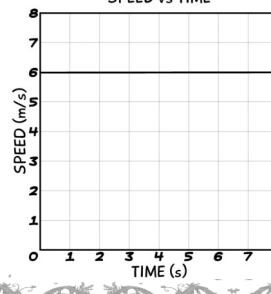
3 m/s,
stopped, 1 m/s

Stopped at 6 m

Stairway to
Heaven



Constant
acceleration



Constant
Speed 6 m/s

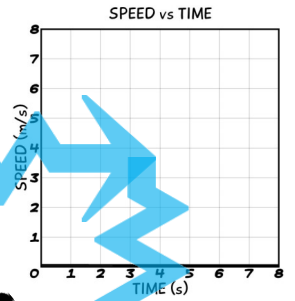
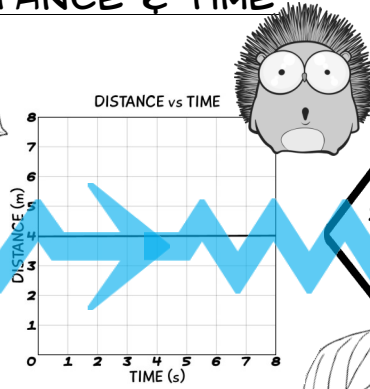
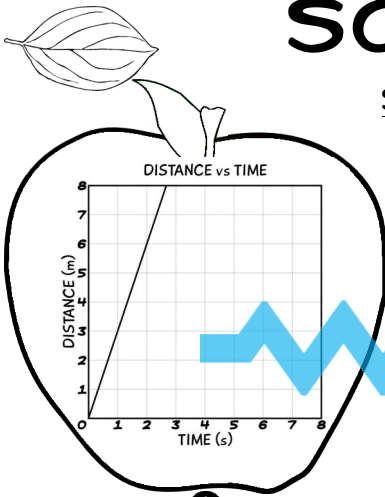


NAME _____

SCIENCE MAZE

SPEED, DISTANCE & TIME

Not all of the apples are used or are they?



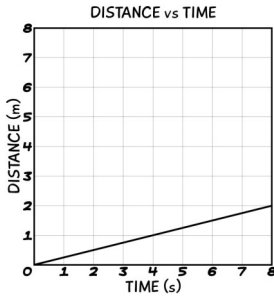
Constant Speed
1 m/s

Flat lined

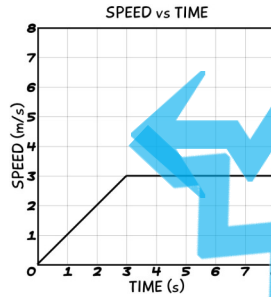
Constant Speed
4 m/s

WHERE'S THE LINE!?

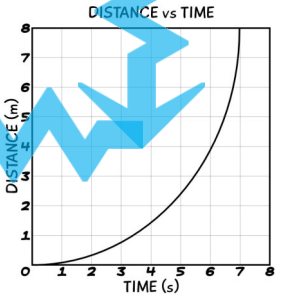
Speed 0 m/s



Constant Velocity



Constant acceleration



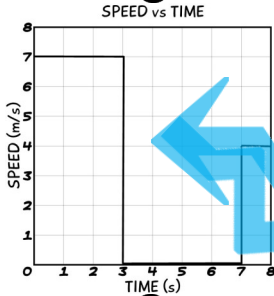
Constant Speed
0.25 m/s

Graph not possible

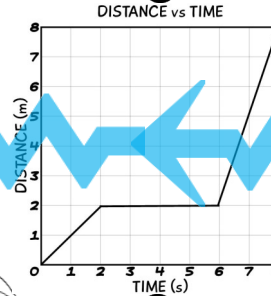
Stopped at 8 m

Acceleration, 3 secs;
Constant speed, 5 secs

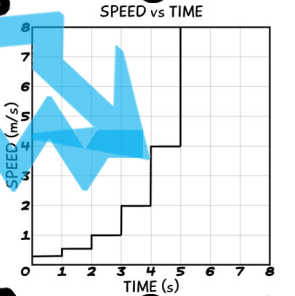
Half pipe



1 m/s, stopped, 3 m/s



Speed doubles every second



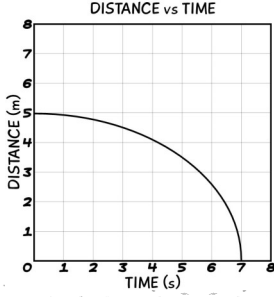
Average Speed
5 m/s

7 m/s (3 sec), stopped (4 sec), 4 m/s (1 sec)

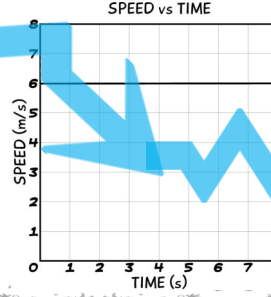
3 m/s, stopped, 1 m/s

Stopped at 6 m

Stairway to Heaven

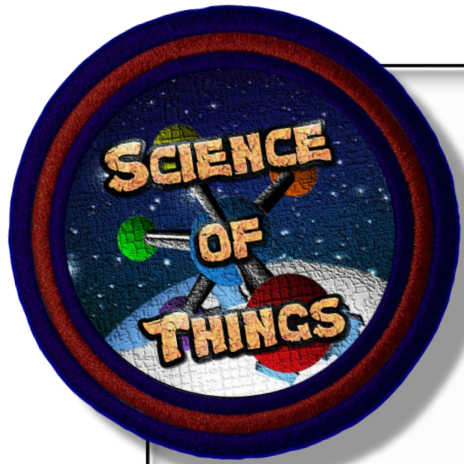


Constant acceleration



Constant Speed 6 m/s





Thank You

Thanks you so much for supporting my products, there is so much more to come. If you enjoyed it or not, leave a rating and be sure to follow me so you can stay up to date with everything coming down the pipeline. I am always up for suggestions and ideas, so don't be afraid to send a shout out.