

Speed/Motion Graph Poster

For this assignment you will make up a motion event story and graph the story for two moving people, animals, or objects. Your story must include two people/animals/objects that moves a distance over a specific amount of time. Follow the directions below.

1. Motion Event Stories: _____/12pts

- At least two people/animals/objects in motion
- On the poster write the story for each moving person/animal/object that describes each line on the graph. Write the letter next to the part of the story in (parenthesis).
- Your story should have a starting location (represented by 0 for the distance) and a ending location or destination (whether or not the person/animal/object gets there or not).
- Include the speed each line represents in your story.
- Include at least 5 different "events" for each person/animal/object in motion (5 separate connecting lines). Each is displayed accurately with the story and the graph. - _____/10 pts.
- Each person/animal/object must stop at least once - _____/2 pts.

2. Graph: _____/8pts

- Include a title (ex. -The Motion of a Squirrel & Rabbit) – _____/1pt.
- Label each axis correctly with the correct units. – _____/2 pts.
- Each scale should have equal and appropriate increments – _____/2 pts.
- Label each separate line with a letter (A, B, C, D, E, F). This should correspond with the story. – _____/1 pts.
- The lines representing the different moving people/animals/objects should be different colors on the same graph - _____/1 pts.
- Include a Key – color coded for the two separate moving people/animals/objects – _____/1 pt.

3. Pictures: _____/4pts

- Draw/print off a picture that in some way represents the story. Each moving person/animal/object should be represented along with the destination.
_____2pts
- Pictures should be colorful. _____2 pts.

Total = _____/24