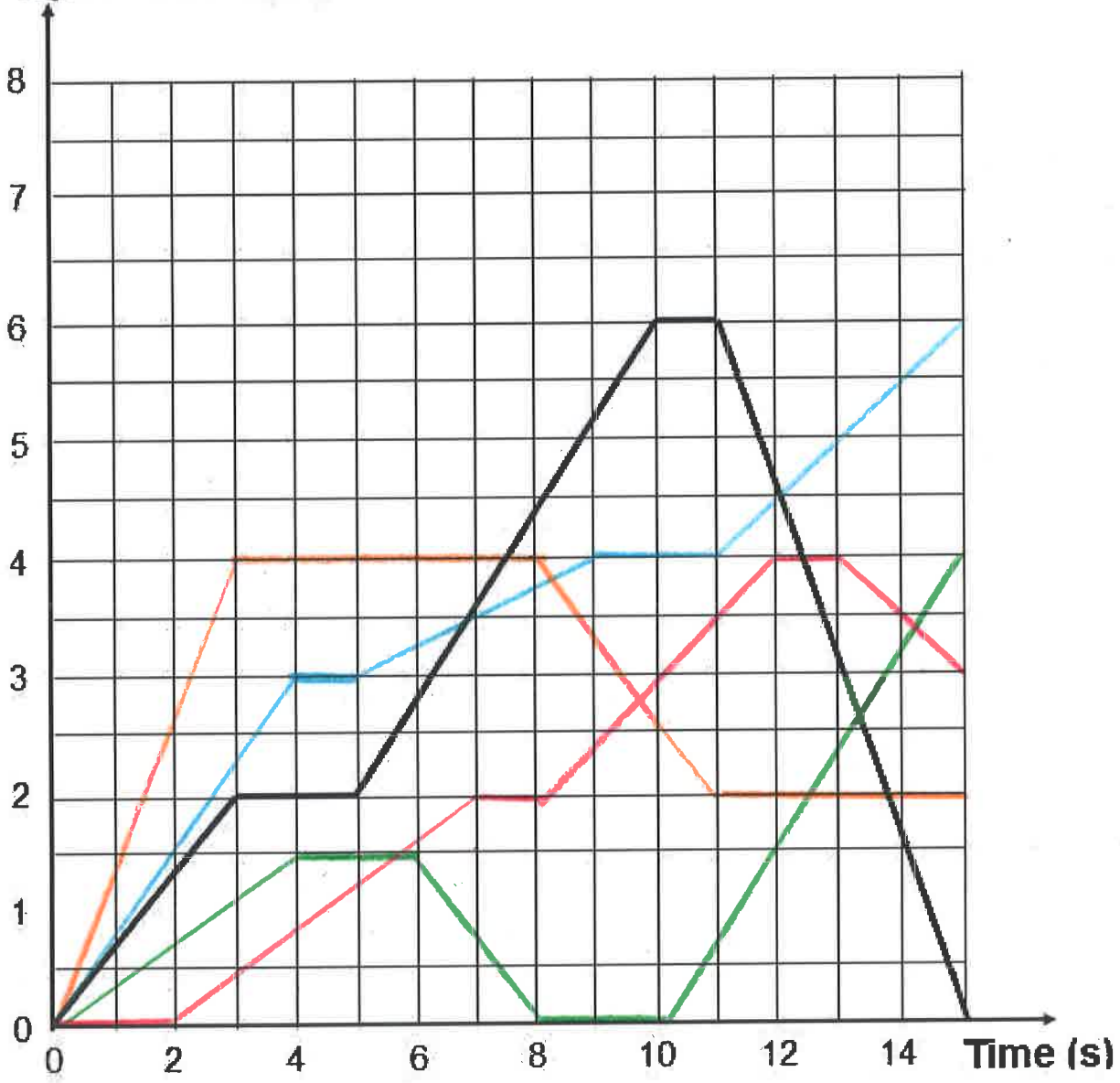


Displacement (m)



Match the Graph Activity

Classroom

Story

Pick one line and write the story in sentence form. Include both time (from the x axis) and distance (displacement is a fancy word for distance). We'll do the orange line together as an example:

Between

Table

Orange Line Example

Time (sec)	Displacement (m)	Words
0	0	
1	1.5	
2	2.5	
3	4	
4	4	
5	4	
6	4	
7	4	
8	4	
9	3.5	
10	2.5	
11	2	
12	2	
13	2	
14	2	
15	2	

Outside of Classroom—STAY WITH YOUR GROUP

Set up Course

1. Use the painter's tape to mark 0m, 1m, 2m, 3m, 4m, 5m, 6m (if we're in hall that will be every 3 tiles).
2. Pick the orange line to practice with

Trials—without Motion Detector

3. One person times 15 seconds with an iPad, one person has graph on iPad, one person is coaching and the last person is walking. Do it at
4. CHANGE roles so that EVERY person has a chance to be the walking

Trials with Motion Detector

5. Pick a line, again maybe start with orange and use the Motion Detector to see if you can coach the walker to match the shape of the line on the PDF graph.
6. Repeat with other lines