

## Live Linear Graphs

### Description

Students are asked to stand and make a line using their arms. This quick activity helps students connect the parameters of  $y = mx + b$  with the characteristics of the graph. This is a physical activity so some students will be hesitant but they do get good connections out of it.

Use the activity as a review of linear graphs using slope and  $y$ -intercept.

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### Prep Work

None

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### Instructions

#### ○ Pre Activity

None

#### ○ Activity

Have the class stand and put their arms out straight to the sides forming a horizontal line. Then describe how you want them to change the line.

- Slope ( $m$ ) positive, small, larger
- Slope ( $m$ ) negative, small, larger
- $b$  positive (on tippee toes)
- $b$  negative (squat down)

#### ○ Post Activity

Small discussion of the characteristics of a line.

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### Time Required

5 minutes

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