

## Adding & rotating a movable line (Tutorial D3)

[http://www.atomiclearning.com/k12/en/movie/86417/play\\_window?type=Tutorial&sid=2421](http://www.atomiclearning.com/k12/en/movie/86417/play_window?type=Tutorial&sid=2421)

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You can create and adjust a movable line using a plot based on data you've entered. I'll create a new page by clicking

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Insert and then choosing Lists & Spreadsheet. I'll enter some x-coordinate data, pressing the down arrow key, or

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the Enter key after each value. I'll enter 5, 8, 12, and 22 in Column A. Next, I'll name the column by selecting

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the cell that contains the letter A at the top of Column A. I'll call this column "xp" by typing x and p, and then pressing

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the Enter key. Now I'll enter some corresponding y-coordinate data by pressing the right arrow key, and then the down

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arrow key to move to cell B1. Next I'll enter 4, 9, 14, and 24. I'll name the column by selecting the cell that

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contains the letter B at the top of Column B, and I'll call this "yp" by typing y-p, and then pressing Enter. I'll

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click Insert, then choose Data & Statistics. I want to plot the "xp" data on the x-axis and the "yp" data on

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the y-axis. So I'll roll over the rectangle at the bottom of the screen, and then click. From the menu that pops

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up, I'll click on "xp". Now I'll roll over the rectangle on the left side of the screen, click on it, and then choose

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“yp”. I can create a movable line to run through my new data points by clicking Analyze in the Document Tools, and

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then choosing Add Movable Line. I can see the line appear, and an equation for the line. I can adjust the line

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two ways: moving it or rotating it. To move it, roll over the middle of the line until you get a four-way arrow icon

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and then click and drag. To rotate it, roll over either end of the line until you get a circle icon and click and

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drag. Notice that the equation for the line changes as I drag it around.

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