

Collecting data using sensors (Tutorial F1)

http://www.atomiclearning.com/k12/en/movie/27964/play_window?type=Tutorial&sid=1670

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To collect data using sensors, first create a data collection layout, either manually or using the automatic start mode.

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In this case, I'm using the Easy Temp Temperature sensor, so I'll plug it into my handheld's mini USB port. The

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program is by default in automatic start mode, which will quickly and automatically set up and format my page so

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I can begin collecting data. I'll see the AutoLaunch window open with several options. If I wanted to choose to do a manual

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set up where I have complete control over the page setup, I would choose None Meter Only. I would then also have

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to manually link the applications I add to the data collection console. You can learn more about this linking

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in the next tutorial. In this case, I'd like to start with the Graphs and Geometry application. So I'll use the NavPad

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to highlight that option, and then press Enter to select it. To begin data collection, I'll use the NavPad to highlight

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the Start Data Collection icon in the Data Collection console. It looks like a little Play button. Now I'll press Enter.

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This will begin taking measurements and adding data points. Once I'm done collecting data, I can just press Enter again,

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which will stop collecting the data. Each supported sensor has its own data collection rate and the standard number

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of data points collected. I can see that the data was successfully captured, because there's a graph of the data in Graphs

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and Geometry. It's possible to store this data run so that I can review this data at a later time, or I could just

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start the data collection console again with Play if I want to overwrite my data. To store this data run with

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the data collection console selected, I'll press the Menu key. Then I'll choose Data. Then Store Run. This will give

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me a dialog box letting me know that the data was stored and under which variable names. Now I can use these variable

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names to insert my data into another application, such as Lists and Spreadsheet.

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