

## 8-4 TECHNOLOGY ACTIVITIES

Technology activities in *MathLinks* enhance the meaning of the content being studied and increase student engagement. *MathLinks* technology activities typically require software and hardware that is readily available in schools.

Worksheets are periodically provided here when warranted to connect technology activities with *MathLinks* lessons. All links are checked periodically, and we apologize in advance if third-party websites are taken down or links do not work.

Name of Activity	Technology	Description	Links
A Graphing Exploration 1	Desmos or Graphing Calculator	Students graph linear functions and observe the effects of different coefficient and constant values.  Use before or with lesson 4.1.	Desmos.com  Use Worksheet: Graphing Exploration 1
Visual Patterns	Public domain website	Choose from a huge number of patterns to create more problems like those in Lesson 1.  Use before or with lesson 4.1.	<a href="http://www.visualpatterns.org">www.visualpatterns.org</a>
Guess My Rule	Desmos	Students play with “function machines” and tables that prompt them to think about input-output rules and the definition of function.  Use with lesson 4.2.	<a href="https://teacher.desmos.com/activity-builder/custom/5e5420051afec695ca0a71a?collections=featured-collections%2C5da6476150c0c36a0caf8ffb">https://teacher.desmos.com/activity-builder/custom/5e5420051afec695ca0a71a?collections=featured-collections%2C5da6476150c0c36a0caf8ffb</a>
The Tortoise and the Hare	Desmos	Students sketch and interpret graphs based upon different video snippets of a turtle’s walking journeys.  Use with lesson 4.3.	<a href="https://teacher.desmos.com/activity-builder/custom/5f6bcf37028fd337f1e4b29c?collections=featured-collections%2C5e44be054273ab1a7f4e7471#preview/d0888c29-74b6-4409-b8a3-6b884214eb1a">https://teacher.desmos.com/activity-builder/custom/5f6bcf37028fd337f1e4b29c?collections=featured-collections%2C5e44be054273ab1a7f4e7471#preview/d0888c29-74b6-4409-b8a3-6b884214eb1a</a>
Turtle Crossing	Desmos	Students sketch and interpret graphs based upon different video snippets of a turtle’s walking journeys.  Use with lesson 4.3.	<a href="https://teacher.desmos.com/activity-builder/custom/5ddb9ae009cd90bcdeaadd7?r=w.hd&amp;collections=featured-collections%2C5da6476150c0c36a0caf8ffb">https://teacher.desmos.com/activity-builder/custom/5ddb9ae009cd90bcdeaadd7?r=w.hd&amp;collections=featured-collections%2C5da6476150c0c36a0caf8ffb</a>
Function Carnival	Desmos	Students sketch and interpret graphs based upon three different contexts with animated video.  Use with lesson 4.3.	<a href="https://teacher.desmos.com/activity-builder/custom/5b7598c9427f050af07d2d5f?r=w.hd">https://teacher.desmos.com/activity-builder/custom/5b7598c9427f050af07d2d5f?r=w.hd</a>  Use Worksheet: Function Carnival Rate Graphs