

*Upon successful completion of this module, you should be able to:*

- Distinguish among and explain the operation of simple machines: lever, wheel and axle, pulley, inclined plane, wedge, and screw.
- Use the concept of mechanical advantage to calculate mechanical advantage and its tradeoffs.
- Recognize the frequent everyday presence of rotary-to-linear conversion and use some of its terminology.
- Work with different kinds of cams and as you change settings, record data and observe the effects of those changes.
- Work with a four-bar mechanism, observing how different settings affect functionality.

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