

# Advanced Metal Fabrication Worksheet

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“Technology” is something that is used by Man to perform a task. The Starship Enterprise performs a task when it is used to explore the final frontier of space. A rock performs a task when it is sharpened and used for hunting.



Most “Technology” made through metal fabrication uses simple machines. There are six simple machines:

*The inclined plane*

*The wheel and axle*

*The lever*

*The pulley*

*The wedge*

*The screw*

As you watch this documentary video, study each metal-fabricated invention, and list it in the appropriate Simple Machine category on the back of this sheet.

Before you leave class today, choose one metal-fabricated invention from this video that most impressed you, and describe how you would improve it using *at least TWO* of the Simple Machines listed above. The more machines you can incorporate into your improvements, the better your mark!

Inclined Plane

Wheel and Axle

Lever

Pulley

Wedge

Screw

Metal-Fabricated Invention Chosen, and improvements: