

Tools

Apparatus

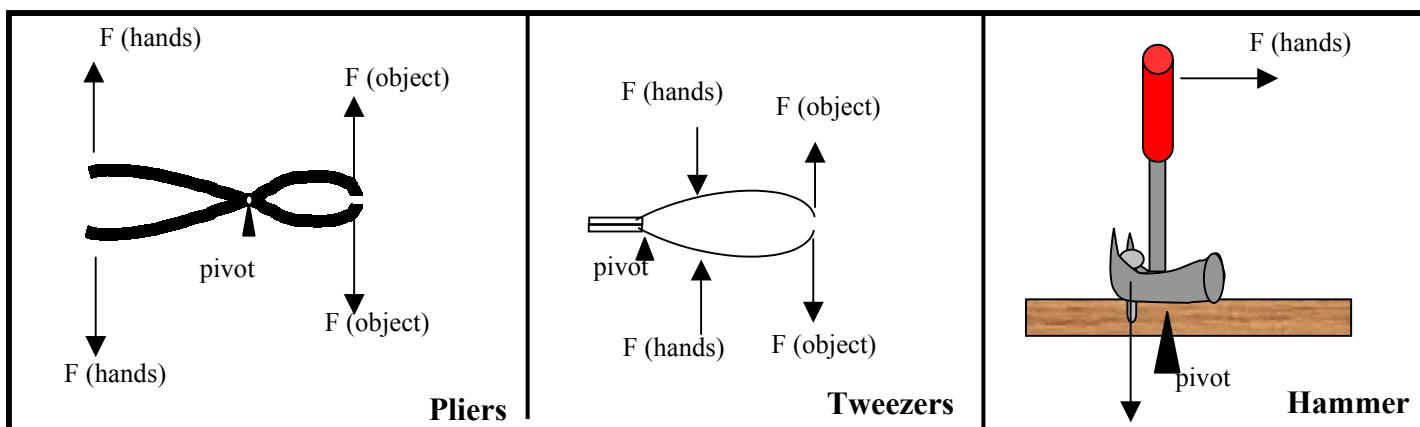
a range of tools which torques; for example pliers, screw drivers, a hammer with claw for removing nails and nail in block of wood, tweezers, spanners etc

Action

The students examine and experiment with using the tools. They attempt to identify the pivot and direction of torque for each tool.

The Physics

Many tools use torques, three examples are shown in the diagrams below. The forces shown are those applied by the hands of the person applying the tool, and those applied by the object to which the tool is being applied.



Accompanying sheet

Tools

On display are tools that use 'torque' in their design and application.
Examine the tools. How are they used?

Identify their pivots, axes of rotation and the direction of the forces on the tools.