

Screw Hatch

for STEM in the Gym™

User Guide



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Using the Screw Hatch

The Screw Hatch simulates the mechanical devices used by astronauts to open and close hatches on the outside of a spacecraft.

1. Place the Screw Hatch on a level surface, such as a floor or table.
2. Turning the Screw Hatch counterclockwise (lefty loosey) will lift the wooden disk of the hatch. Turning it clockwise (righty tighty) will lower the wooden disk, thereby closing the hatch (Figure 1).



Figure 1

Curriculum

For curriculum to lead a more in-depth activity with the Screw Hatch, consider the *STEM in the Gym – Simple Machines* book available at shop.pitsco.com/STEMnGym.

Safety

- Use this device only in the manner discussed and illustrated within this guide.
- Only use this device on the floor.
- Do not use as a clamping device.
- Do not place fingers or any other body parts between the base and the rotating hatch – serious injury could occur.
- Do not force the hatch beyond its natural stopping point – the device can break under extreme pressure.