PATTERNS FOR HUMAN POWERED DRAGONFLY COPTER

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No scaling when printing
Do not "fit to page"
Detailed instructions at sciencetoymaker.org

Variable-Pitch Sleeve

Have a little gap for the rubber band to slide through.

Propeller Pattern
(used the other prop pattern if making lots)

Bend the Hook

Fixed pitch gauge

Bend the Hook

Propeller Pattern

Convex (outside of bottle) is up!
Concave (inside of bottle) is down!

MEASURE: Did it print to scale?

propeller blade pattern
19 mm X 70 mm (3/4" X 2 3/4")

propeller blade pattern
19 mm X 70 mm (3/4" X 2 3/4")

Propeller Strut Pattern
Made from a cotton swap stick.
Take off cotton ends.