



Wind Stand Build Guide



A wind stand can hold up your wind turbine, wind lift, or other projects for testing. This guide will show you how to assemble it.



Wind Stand Build Guide



TeacherGeek Components

For One
Wind Stand

You'll need these components to create one Wind Stand.



Base and Upright
(with clamp)



2 - T-Plates



4 - Screws
 $\frac{1}{4}$ " x $1 \frac{1}{4}$ "



3 - Nuts
 $\frac{1}{4}$ "



1 - Wing Nut
 $\frac{1}{4}$ "

Tools

You'll also need a few tools:

- **Straight Screwdriver**
- **Wrench** ($\frac{7}{16}$ " or 14mm) or **Pliers**



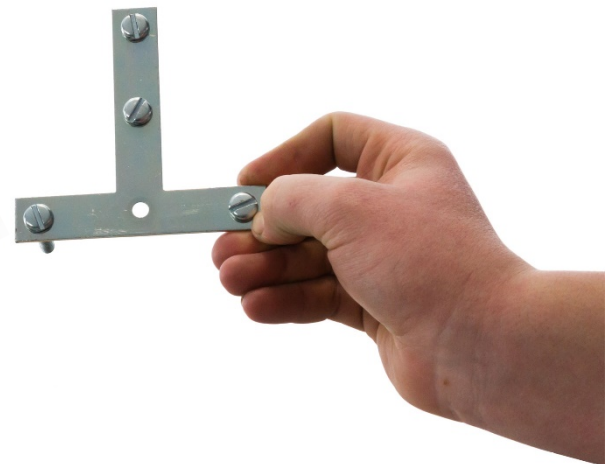
or

Building the Stand

- 1 Place four **screws** into the **T-plate** as shown. Leave the center-bottom hole empty.



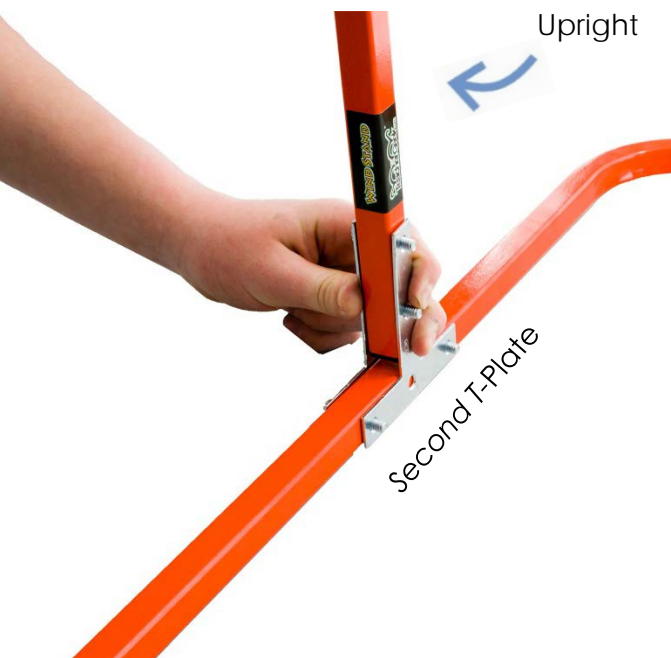
$\frac{1}{4}$ " Screws





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- Put the two bottom **T-plate** screws through the **base** holes.



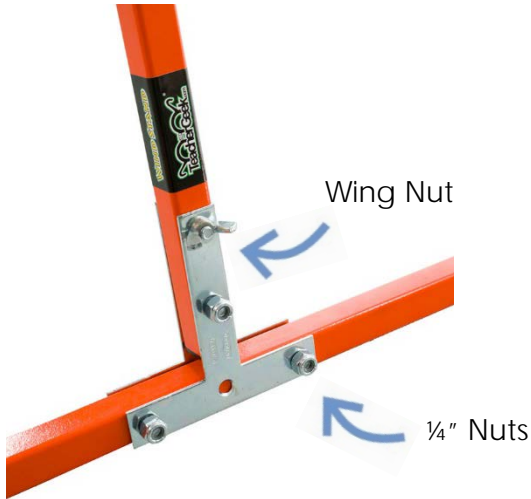
- Place the two upper **T-plate** screws through the **upright** holes.
- Place the second **T-plate** onto the four screws



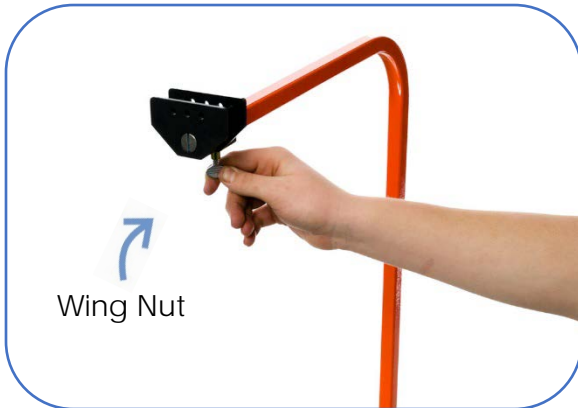
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5 Twist three **locking nuts** and one **wing nut** onto the screws, as shown. Tighten them up.



Attaching Wind Turbine



6 The **black clamp** is used to mount your projects onto the wind stand. **Loosen** the **wing nut** to **slide** it open or closed.

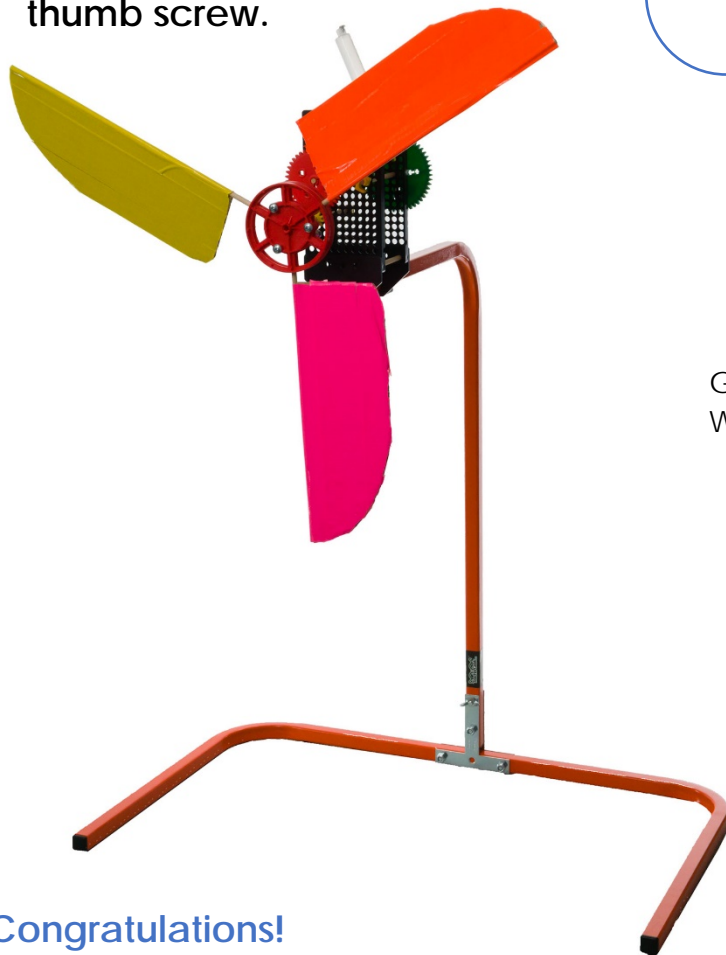
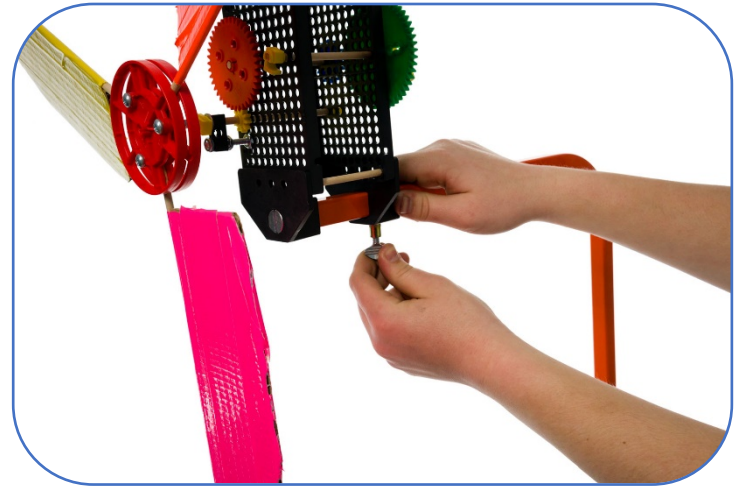


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8 Mount your **project** onto the wind stand base by:

A Placing the **pegs** (on the wind stand clamp) **into hole plate holes** on your project.

B **Tightening** the clamp and **thumb screw**.



Congratulations!

Your Wind Stand is now done!

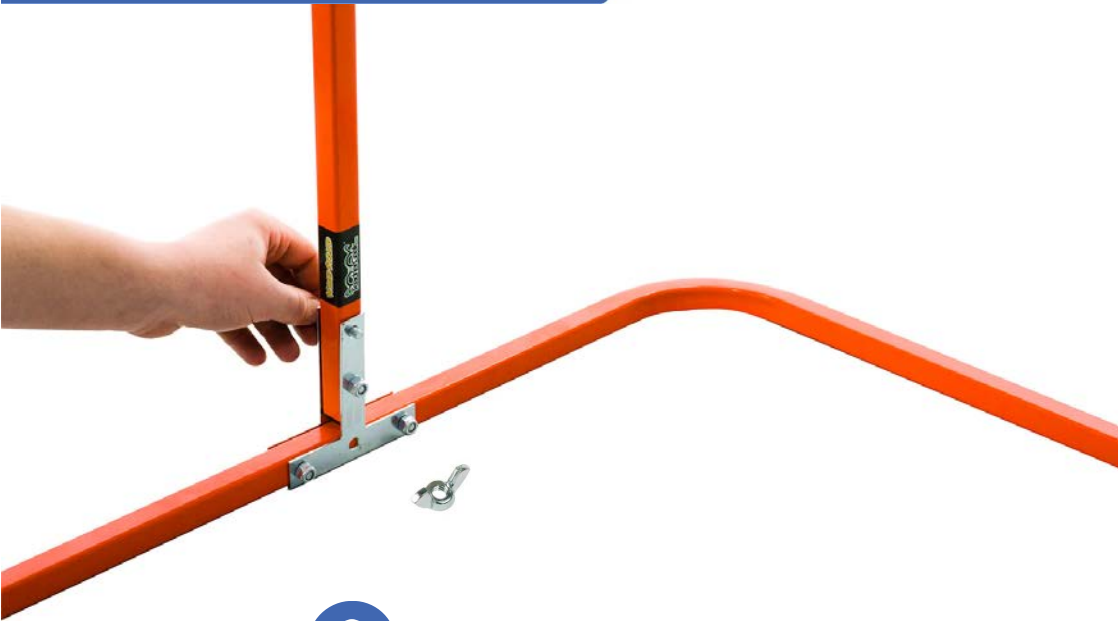
For more wind turbine and pump activities, go to: teachergeek.org/learn



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Wind Stand Storage



- 9 Collapse the wind stand for storage by:
- (A) Loosening and **removing** the **wing nut** and **top screw**.
 - (B) **Folding** the **upright** over
 - (C) **Reattaching** the **screw** and **nut**.

