

Which dragster kit is right for you?

For decades, building and racing CO₂ dragsters has been the powerhouse activity for technology classes, yet dragsters can also demonstrate science, math, and engineering. But building them requires tools, finishes, and design skills. Teachers have been asking for a dragster kit they can use – and Pitsco is answering their call. Whether your students have a desktop and glue or an entire lab loaded with tools, there's a Pitsco dragster kit to propel their success.

Plus, all of these kits are compatible with standard CO₂ race systems and tracks. Compatible race systems include the Impulse G3 Race System, the Dual Lane Race Timer, and the EZ Start Raceway. Compatible race tracks include the FasTrak Elevated Racetrack and the EZ Track Raceway.

No Tools Required – the EZ Build Dragster Kits

When tools are limited but a teacher's ideas are not, the EZ Build Dragster Kits give those ideas the green light.

With precision-cut parts that glue together, we designed this dragster kit for classrooms with few tools or younger students. All you need is a small work surface, glue, and a screwdriver. There are four designs to choose from, and students can add a finish to their dragster if desired.

And the completed dragster illustrates Newton's laws, acceleration, and other concepts – just like the classic dragster.

Minimal Tools Required – the Precut Dragster Kits

When students can sand and finish a dragster but designing, drilling, and cutting isn't an option, Precut Dragster Kits fit this area between the extremes.

Start by choosing from four styles of blanks with precut profile shapes and axle and cartridge holes. Students use coping saws or sandpaper to finely shape their dragster and then apply a finish. Add the wheels and axles, and they're ready to race!

An ideal kit for covering science concepts and expanding on the importance of finishing to make dragsters more aerodynamic.

Standard Tools Required – Metric Dragster Kits

The classic Metric Dragster Kit requires drills, coping or band saws, and other tools. But these kits are the ultimate in dragster design and problem-solving!

Students begin this process with grid paper and a pencil; then, they use a foam blank to translate a 2-D design into a 3-D model. Finally, they craft a dragster out of a basswood or balsa wood blank and apply a smooth finish.

The Metric Dragster Kit demonstrates science concepts like the other kits but also requires design, measuring, and modeling skills and an understanding of aerodynamics.



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