

# Which dragster kit is right for you?

For decades, building and racing CO<sub>2</sub> 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. Non-technology 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 CO<sub>2</sub> race systems and tracks. They launch with a manual system like the *EZ Start Raceway* or a combination like the *Impulse GII Race System* and *FasTrak Elevated Raceway* – and anything between!

## 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.

