



We are a small group of engineers who believe in great design that inspires creativity, curiosity, and ingenuity within children, and we are dedicated to this goal.



axelr-eight.ca/pullback
613-555-0158

DESIGN GROUP C15

AXELR 8

THE PULLBACK

DESIGN OVERVIEW

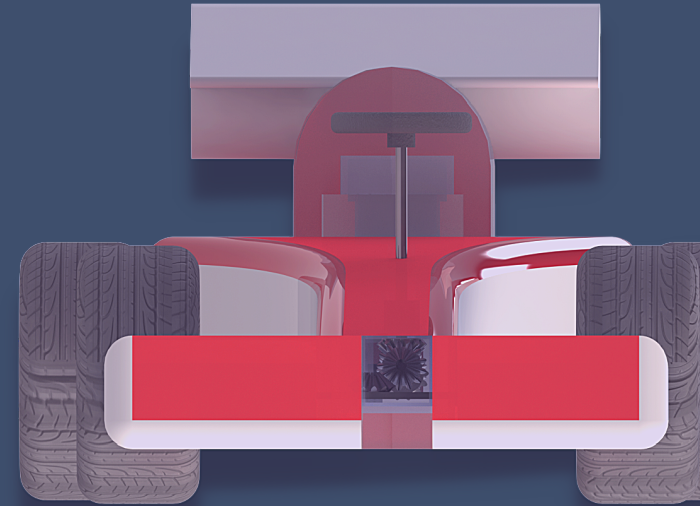
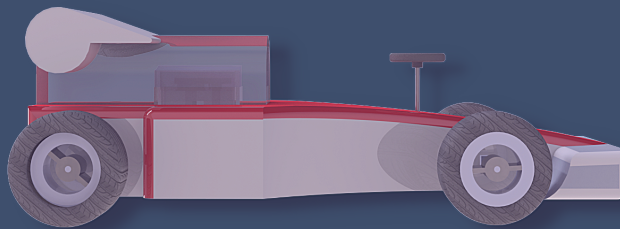
The Pullback is an advanced mechanical model of a pullback car that is propelled by a spring powered mechanism that propels the car forward when pulled back. Some components are made using transparent material; intended to encourage kids to investigate how the car functions and learn some basics in the fields of science and engineering.

COST

The Pullback is priced at \$30 and is made using solid steel gears, strong transparent plastic, a solid car frame, and many more...

FEATURES

The Pullback is made using a single shaft steering mechanism (as in there is a rod that causes the wheels to turn), and an elastic pullback engine (as in a spring stores energy from pulling the car back and then it releases energy when let go). Gears are used to transfer motion around the car.



SAFETY FEATURES

The Pullback is designed with robust materials that don't break easily but that are also large enough to not be a choking hazard. We built the car with transparent plastic covers, allowing kids to easily view the mechanics of the Pullback without needing to disassemble it.