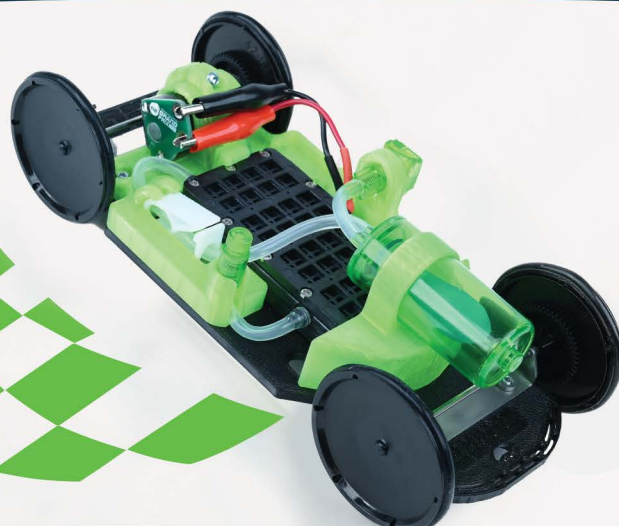


H2GP SPRINT CAR KIT



RESK-03-1

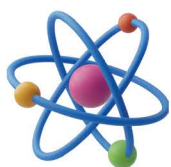
PRODUCT DESCRIPTION

The H2GP SPRINT car is a 1:20 scale hydrogen-powered car used to demonstrate hydrogen technology to students aged 10-15. Students receive all the components they need to assemble this car (including a chassis, fuel cell, electrolyzer, wheels and motor), constructing the car with the help of an activity guide. After racing the car against their peers, students are free to experiment with 3D design, updating the gear-to-wheel ratio, car weight distribution, or even designing the entire chassis with digital modeling software.

FEATURES

- ▶ **STEM in a creative and open-ended way**
- ▶ **All-in-one ELECTROLYZER**
- ▶ **ACTIVITY guide**

CONCEPTS COVERED



PHYSICS

Laws of motion
Electricity
Data evaluation



EARTH / ENVIRONMENTAL SCIENCE

Human Impacts on Global Climate Change
Alternative Energy Sources



CHEMISTRY

Reactions: Catalytic and Redox
Alternative Energy Sources



INCLUDED COMPONENTS

Battery Pack
 Silicone Tubing
 Syringe
 Tube Clip
 Hydrogen PEM Fuel Cell
 Hydrogen PEM Electrolyzer
 Hex key
 Spur Removal Tool/Screwdriver
 H2GP Sprint chassis
 Motor
 Electrolyzer Base
 Rubber Tires
 Wheels
 Hydrogen Tank
 Male Hydrogen Refilling Valve
 Female Hydrogen Refilling Valve
 Hydrogen Purge Valve
 2 x AA Battery Holder + Banana Plugs
 1 x 1.5W Hydrogen Fuel Cell
 1 x PEM Electrolyzer
 1x 1.2 V Electric Motor
 1 x Purge Valve
 1x Gas Tank

Axle Holders
 Spur Gears
 Nuts
 Sliders
 Axles
 M3x6 Bolts
 M3x16 Bolt
 Spring
 3x6 Pins
 Motor Holder
 Tank Holder
 4 x Wheels (Including Wheel 50-8, Wheel 42-16, Wheel 44-14, Wheel 48-10)
 2 x Spur Gear (Spur Gear 8, Spur Gear 10)
 1 x 45cm silicon tubing
 1 x White Valve Clip
 1 x Green Male Valve
 1 x Green Female Valve
 1 x 5ml Syringe

**ADD
-ON**



Add a **SPRINT Practice Track** to race your car literally anywhere - from a school gym, to the classroom, to the hallway!