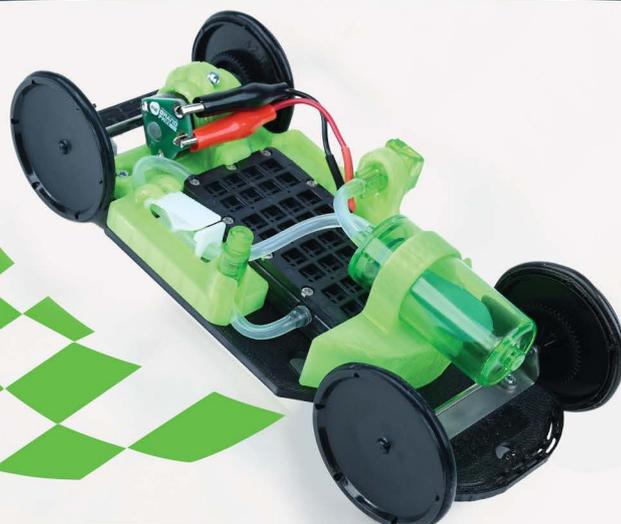


H2GP SPRINT CAR KIT



RESK-03

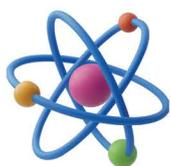
PRODUCT DESCRIPTION

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

FOR SIX CARS!

**ADD
-ON**



Add a **SPRINT Practice Track** to race your cars and compete against your classmates to see who can design the **FASTEST SPRINT** car!