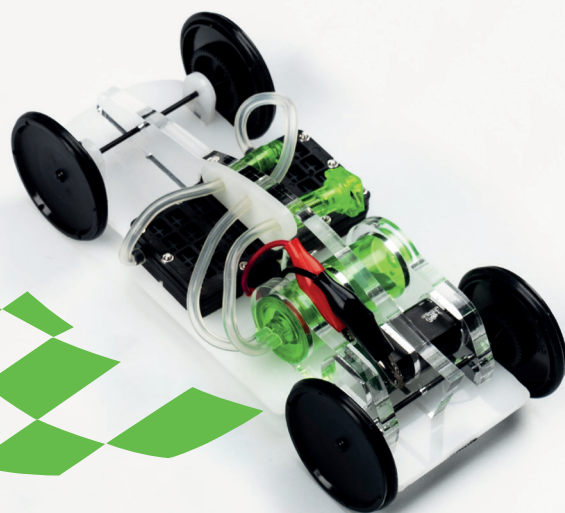


# H2GP SPRINT CAR KIT



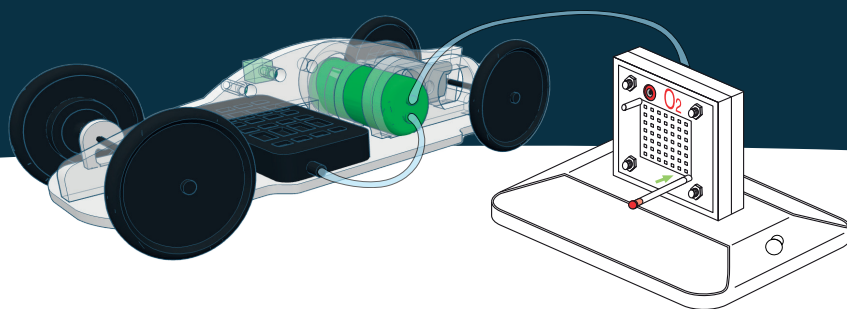
**RESK-03-1**

## PRODUCT DESCRIPTION

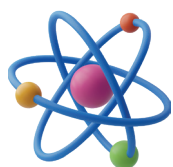
The H2GP SPRINT car is a 1:20 scale hydrogen-powered car used to demonstrate hydrogen technology to students aged 10-15. Students receive all the components they need to assemble this car (including a chassis, fuel cell, electrolyzer, wheels and motor), constructing the car with the help of an activity 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**



- 1X** 1.5W Hydrogen Fuel Cell
- 1X** PEM Electrolyzer
- 1X** Chassis Kit (including Chassis, Axle holder, x 2 Tubing Holder, 2 x Motor and Tank Holder, Central Holder)
- 2X** AA Battery Holder + Banana Plugs
- 1X** 1.2 V Electric Motor
- 1X** Purge Valve
- 1X** Gas Tank
- 2X** 7cm (2.8 inch) Axle
- 4X** Rubber Tire
- 4X** Wheels (Including Wheel 50-8, Wheel 42-16, Wheel 44-14, Wheel 48-10)
- 2X** Spur Gear (Spur Gear 8, Spur Gear 10)
- 1X** 45cm (17.7 inch) silicon tubing
- 1X** White Valve Clip
- 1X** Green Male Valve
- 1X** Green Female Valve
- 1X** 5ml Syringe
- 1X** Electrolyzer plate

**ALSO AVAILABLE AS CLASSROOM PACK FOR 24-48 STUDENTS + CURRICULUM 12-MONTH LICENSE.**

**ADD-ON**

**H2GP SPRINT CURRICULUM AVAILABLE**

**SCAN THIS CODE RIGHT NOW TO ACCESS FREE CURRICULUM SAMPLES, 3D PRINTABLES, TIPS AND TRICKS, AND ACCESS TO THE SPRINT VIRTUAL COMPETITION**

Global access with a cloud-based server  
 Meets state and international educational standards (Common Core, ITEEA, ISTE)  
 Hands-on learning activities

H2GP SPRINT CURRICULUM 12- month license is included only in H2GP SPRINT Classroom pack and Launch bundle.

