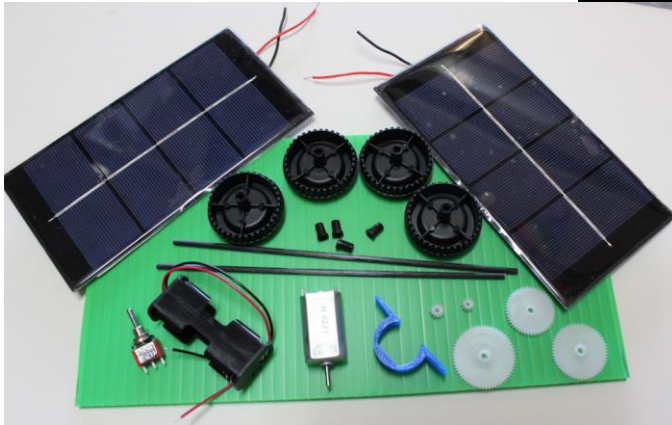




Pursuit Kit – SISP Solar Challenge Secondary Schools

Each Kit includes



- 2 Solar Panel – 2v, 700mA
- 4 Wheels 40mm
- 2 Axels 177mm long
- 4 Axel Collars (small black tube)
- 1 Motor - F18 + Plastic Mount
- 2 Large Spur Gear 60T & 48T
- 2 Small Pinion Gear 10T & 12T
- 1 Battery Pack 2xAA
- 1 Chassis (Coloured Corflute 140mm x 250mm)
- 1 Red toggle switch on/off/on

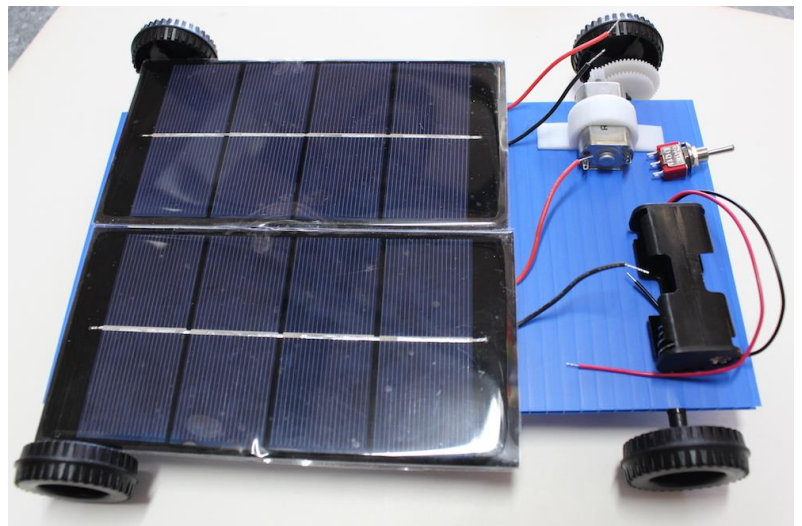
Class sets

Class of 24 students and 3 students per team = 8 kits required

With the kits you will need 2 100m rolls of wire, red & black. Also 1 roll of 12mm double sided tape and two block sets.

Kits	\$320.00
DST 12mm	\$ 9.50
2 wire rolls	\$ 18.31
2 block sets	\$ 4.14

Total \$351.95



Extra kits @ \$40 each

All prices listed here do not include GST

Apart from the kits and materials above you may require the following tools.

Pliers 115mm \$3.95 each	Wire crimper, Cutter & Stripper	\$8.90 each
Wire Stripper \$16.00 each	Multimeter	\$8.90 each

The Secondary challenge is the Pursuit track

Student will need to consider some of the following, Wheel size and this may require 3D printing or laser cutting. Gear ratios, connection of the two solar panels for series and parallel. Placement of components, angle of the solar panels. Friction points on the car plus the guides needed to help you around the track. Different types of materials for the chassis and other parts of the car. Plus more that you will think of as you build your car. Teachers may also like to add a creative side and look for the best looking car.