STS-Pi - Build a Roving Robot!

PIM142

5.... 4.... 3.... 2.... 1.... Turn your Raspberry Pi into a spaceship!

This robot chassis is designed to be used with our Explorer HAT, Explorer HAT Pro, or Explorer pHAT boards though it will work with other motor drivers!

The kit is a great way to introduce yourself to robots and controlling motors with your Raspberry Pi. It even includes a camera mount so your little robot can take pictures while it's roaming around!

There is no soldering required and the whole kit can be put together with a small flat-head screwdriver.

Kit includes:

- Laser cut chassis
- Raspberry Pi camera mount
- 2 x super-grippy moon-buggy wheels
- 2 x push header motors (298:1 ratio)
- 0.5" front castor wheel
- Jumper leads
- 2 x motor mounting brackets
- 2 x battery clips (battery optional and not included)
- Nuts, bolts, and other fixings

Build up your robot and program it in Python, Scratch, or whatever language you prefer! Add a USB battery pack (not included) and a WiFi dongle and you can make it roam free!

Does not include *the Raspberry Pi, Raspberry Pi Camera, or Explorer HAT (Pro or pHAT).*

Connor Plant has produced a video tutorial to help you build your STS-Pi, below.