



## **Donabate Dojo : Scratch++ class**

The Scratch++ class gives you two things. This card is the 'What-to' card and gives you the basic Idea or plot of what we will be designing and coding today. The other set of cards are the 'How-to' cards and give you some basic tools to make things happen.

You can work together in teams or on your own.

It is your game or app so you pick how it works and what it does.

If you get stuck – 'Ask three then ask me' (that means ask the other ninjas round you first – they often have better ideas than me).

### **Today's plot : Car racing**

Cars come in many shapes, sizes and styles – the one thing they have in common – they are fast and people love to race them

#### **Easy plot idea**

Draw a road on the stage area. Make the road one colour and the other areas a different colour. This should make detecting if you have gone off the road pretty easy. Think of other cars going round the track. Are they controlled by the computer or another player ? Are there obstacles ? What about a time limit ?

#### **Advanced plot idea**

What about a 3D version of the race ? The car could stay at the bottom of the screen and the road comes towards it. The obstacles would start small at the top and get bigger as they move down towards you. Other cars in the way ? What about people too ? How do you get rid of them ? Drive round them ? Blow them up ? It's your game – use your imagination