

IMAGINE



DRIVEN TO INSPIRE: THE SCIENCE OF GOING FAST!

## CRIB WORKSHEET



### Grip

Ability to stay on the track in dry, wet or rough conditions. This is achieved by increasing **friction** between the tyre and the surface.



### Acceleration

Ability to get away from the start quickly. This is determined by the car's **power** – that's the rate at which the chemical energy stored in fuel can be transformed into kinetic energy which moves the car forward.



### Weight

Altering this will affect the speed and control of the car; gravity's effect on the weight of the car determines its **mass**.



### Safety features

Elements of the car are designed with the driver's safety at the forefront. **Material design and composition** play a key role in keeping the driver safe.



POWERED BY

