

DESIGNING YOUR OWN CAR - WORKSHEET

1886
FIRST CAR IS INVENTED
 Karl Benz invented the first true automobile - it was powered by an internal combustion engine and had three wheels

1908
FORD PRODUCED MODEL T

1911
ELECTRIC IGNITION STARTERS

1921
CIGARETTE LIGHTERS INTRODUCED

1934
COIL SPRING SUSPENSION

1930
CAR RADIO
 The first car stereo was created in 1930 to receive radio broadcasts on the road

1949
CAR KEYS
 Chrysler invented a key to start both the electric starter and the ignition and soon everyone had one

1951
POWER STEERING

1953
THE FIRST AIR CONDITIONING
 The first air conditioning system in a Chrysler Imperial came with three settings: low, medium and high

1958
CRUISE CONTROL
 Cruise control made steady driving easier, especially on motorways

1959
SEAT BELTS
 Volvo invented the seatbelt and gave it to other car makers for free to save lives around the world

1970s
CASSETTE TAPE STEREOS

1969
INTERMITTENT WINDSHIELD WIPERS

1971
ANTI-LOCK BRAKES
 (ABS)

1960s
ELECTRIC WINDOWS

1973
CATALYTIC CONVERTER
 Exhaust fumes are much cleaner now that toxic emissions are reduced

1974
DIGITAL DASHBOARD DISPLAYS

1984
CD PLAYERS

1996
CONNECTED CARS
 Your car can use your mobile phone to automatically call the emergency services in an accident

1994
ON-BOARD DIAGNOSTICS
 All cars now have on-board computers to diagnose problems for repair

1992
ELECTROMAGNETIC PARKING SENSORS

1988
AIRBAGS
 Originally they were a just for drivers, but today we're surrounded by airbags to protect all passengers

2000
GPS SAT NAV AND HYBRID CARS
 The Toyota Prius was the first hybrid car, powered by petrol and electric energy

2001
HANDS-FREE BLUETOOTH

2002
REVERSING CAMERAS

2003
AUTOMATIC PARKING
 No more parallel parking nightmares - cars can now park themselves!

2010s
DRIVER ASSIST FEATURES
 This includes driver safety features like traffic alerts and lane departure warnings

2020
SELF-DRIVING CAR
 2020 is the projected release date of Google's self-driving car, the Waymo

2014
4G WI-FI HOTSPOTS

2014
TESLA AUTOPILOT
 Elon Musk's autopilot technology can steer the car and even change lanes on the motorway

Car Technology in the Future

GESTURE CONTROLS
 Forget touchscreens - car makers are already writing on melting displays that respond to gesture control

BIOMETRIC ACCESS
 Car makers are working on technology to let you unlock and use your car with your fingerprint

WINDSCREEN DISPLAYS
 Soon, all the information you need about the car could be displayed on a panel inside the windscreen

Back in 1900s, car owners would have found it impossible to imagine all the amazing features modern day cars have. What features of future cars do you think would amaze us?

Design a new car in the space below which would have a release date of 2050.

Include labels which show clearly:

- ✓ the speed the car will travel;
- ✓ the material it is made from;
- ✓ the interior features;
- ✓ the exterior features:

A large, empty rectangular box with a thin black border, intended for a student to draw a futuristic car design. The box is currently blank.