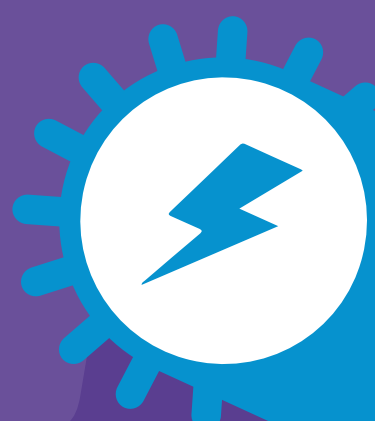


# Lets compare an ICE Vehicle

(Internal Combusion Engine)



..TO AN

ELECTRIC VEHICLE

## Math Time

Don't panic!

### ICE Car

"Internal Combustion Engine"

£260 per  
2,000 miles

40 MPG  
115p per litre

1,000 miles, approx £130

### BEV:

"Battery Electric Vehicle"

£74 per  
2,000 miles

Nissan Leaf, 24kW battery ~ 70 miles per charge  
(11p per kilowatt hour,  $0.11 \times 24 = £2.64 / 70 = 0.0377p/mile$ )

1,000 miles, approx £37

### E-Bike:

"Electric Bike"

£7 per  
2,000 miles

25 miles per charge  
Charger 54.6V, 6A, 2 hours to charge 11.8Ah battery  
( $54.6V \times 6A = 327 \text{ watts}$ ,  $327 \text{ watts} \times 2 \text{ hours} = 654 \text{ watts}$ )  
Average UK cost per kilowatt (1,000 watts = 1kW) is 11p  
(11p per 1,000 watts,  $11p / 1,000 = 0.011p \times 654 = 7p$ )  
7p per charge for 25 miles  
(0.28p per mile, or 3.5 miles per penny)

1,000 miles, approx £3.50

What vehicle  
will  
you choose  
to travel in..

Tomorrow?