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 x 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 x 6A = 327 watts, 327 watts x 2 hours = 654 watts}
Average UK cost per kilowatt (1,000 watts = 1kW) is 11p
{11p per 1,000 watts, 11p / 1,000 = 0.011p x 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?

TomPatrick.co.uk