

# CO2 I Produce



Did you know that different cars emit different levels of Carbon Dioxide (CO<sub>2</sub>).

Create a reference table for your Green-Schools Notice Board by calculating how much CO<sub>2</sub> is generated per journey, per day and per week.

| Car Type      | ENGINE SIZE       | VRT BAND | km/to school | MULTIPLY BY kg CO <sub>2</sub> /km | CO <sub>2</sub> PER Journey (kg CO <sub>2</sub> ) | CO <sub>2</sub> PER Day (kg CO <sub>2</sub> )                                            | CO <sub>2</sub> PER WEEK (kg CO <sub>2</sub> )      | Students that Carpool                                                        |
|---------------|-------------------|----------|--------------|------------------------------------|---------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------|------------------------------------------------------------------------------|
|               |                   |          |              |                                    |                                                   | You travel to and from school so multiply your 'CO <sub>2</sub> per journey' figure by 2 | Multiply your 'CO <sub>2</sub> per Day' figure by 5 | Divide 'CO <sub>2</sub> per Week' by the number of students you carpool with |
| <b>HYBRID</b> |                   | <b>A</b> |              | <b>0.106</b>                       |                                                   |                                                                                          |                                                     |                                                                              |
| <b>PETROL</b> | <b>&lt;0.9</b>    | <b>A</b> |              | <b>0.120</b>                       |                                                   |                                                                                          |                                                     |                                                                              |
|               | <b>0.9 – 1.2</b>  | <b>B</b> |              | <b>0.140</b>                       |                                                   |                                                                                          |                                                     |                                                                              |
|               | <b>1.21 – 1.5</b> | <b>C</b> |              | <b>0.155</b>                       |                                                   |                                                                                          |                                                     |                                                                              |
|               | <b>1.51 – 1.7</b> | <b>D</b> |              | <b>0.170</b>                       |                                                   |                                                                                          |                                                     |                                                                              |
|               | <b>1.71 – 1.9</b> | <b>E</b> |              | <b>0.190</b>                       |                                                   |                                                                                          |                                                     |                                                                              |
|               | <b>&gt;1.9</b>    | <b>F</b> |              | <b>0.225</b>                       |                                                   |                                                                                          |                                                     |                                                                              |
|               | <b>&gt;3.0</b>    | <b>G</b> |              | <b>0.260</b>                       |                                                   |                                                                                          |                                                     |                                                                              |
|               |                   |          |              |                                    |                                                   |                                                                                          |                                                     |                                                                              |
| <b>DIESEL</b> | <b>1.2 – 1.5</b>  | <b>B</b> |              | <b>0.140</b>                       |                                                   |                                                                                          |                                                     |                                                                              |
|               | <b>1.51 – 1.7</b> | <b>C</b> |              | <b>0.155</b>                       |                                                   |                                                                                          |                                                     |                                                                              |
|               | <b>1.71 – 1.9</b> | <b>D</b> |              | <b>0.170</b>                       |                                                   |                                                                                          |                                                     |                                                                              |
|               | <b>&gt;1.9</b>    | <b>E</b> |              | <b>0.190</b>                       |                                                   |                                                                                          |                                                     |                                                                              |