



Reduce your Carbon Footprint!

What is it?

STATWARS[®] is a Data-Driven, Climate Change Competition developed by Primary Engineer, challenging pupils to make **three Pledges** to reduce their Carbon Footprint and win a share of eco-prizes worth up to £5,000. The challenge is truly cross-curricula and includes full curriculum-aligned resources to guide pupils' learning across the curriculum. Pupils create their own unique datasets to inform their **three Pledges**, which are reviewed each year.

Carbon Footprint Audit Worksheet

Carbon Footprint Calculator



How it works?

STATWARS[®] provides pupils with simple data and carbon footprint tools and lessons which pupils use to collect and analyse their own carbon footprint. Pupils work individually and in teams of 3 using this data to identify 3 changes (Pledges) they can personally commit to, in order to reduce their individual and collective carbon footprint. Pupils use their data and creative skills to communicate their commitment through a data-driven **infographic poster**.

The Awards

- All entries to the STATWARS[®] Competition receive a named **STATWARRIOR Certificate**.
- The best infographic poster from each class will get shortlisted for one of **4 awards** and up to **£5000 worth of eco-prizes shared between winning schools**.
- Awards include **Best Data Analysis**, **Best Communication**, **Most Creative Presentation**, and an **Overall Winner**.

Registration:

To take part, go to www.statwarscompetition.com and click Register.

Target age: 9+

What you need:

- Computer, Colouring Pens/Pencils, Paper.
- Carbon Footprint Audit Worksheet, Carbon Footprint Calculator and Earth Day Lesson (Provided on Registration).

Time: <5 Hours | Target age: 9+



Primary Engineer[®]
...the first step



#EngineersInTheMaking



Reduce your Carbon Footprint!

The Challenge: 1 DAY - 3 EASY STEPS

STEP 1: Capture your own Carbon Data

Using our Carbon Capture Worksheets, capture your own data for the following 3 categories:

- Household Energy Use
- Transport Use
- Food & Drink Consumption

Time: 30 minutes | Activity: Individual

Resources: STATWARS in a Day - Carbon Footprint Audit Worksheets

STEP 2: Calculate your Carbon Footprint

- In your teams, input your own data from your **Audit Worksheets** into the **Carbon Footprint Calculator**. Use the **Carbon Footprint Calculator** to identify patterns of high CO₂ production.
- Analyse the data to identify **3 changes (Pledges)** that you can make to reduce your carbon footprint. Try to commit to one pledge from each category.
- Using the **Carbon Footprint Audit Worksheets** and **Carbon Footprint Calculator**, model your 3 pledges and calculate the potential CO₂ reduction over multiple time periods (days, weeks, months, years).

Time: 60 minutes | Activity: Team

Resources: STATWARS in a Day - Carbon Footprint Calculator

STEP 3: Create your Data-Driven Infographic Poster

- Design and create a **data-driven infographic** to communicate the **3 Pledges** you have committed to.
- Include your **modelled CO₂ reduction data** in your poster.
- The poster can be **hand drawn** or **digitally produced**.
- See www.canva.com/infographics/templates/ for some easy-to-use infographic templates.

Time: 120 minutes | Activity: Team

Resources: STATWARS in a Day | Carbon Footprint Calculator

SUBMIT

- Go to www.statwarscompetition.com to enter and submit your work. You'll need to submit:
 - 1 x Entry Form
 - 1 x Data-Driven Infographic Poster
- Remember, there are **4 possible awards** which you can target and up to **£5000 worth of eco-prizes to be won**.
- Awards: **Best Data Analysis**, **Best Communication**, **Most Creative Presentation** and **Overall Winner**.



Primary Engineer[®]
...the first step



#EngineersInTheMaking