



F24 & F24+ PORTFOLIO GUIDE

GREENPOWER EDUCATION TRUST



National supporter





YOUR GREENPOWER PORTFOLIO

GUIDE FOR F24 & F24+

This is a guide which explains how to structure your portfolio so that you can make the most of recording your Greenpower experiences. Your portfolio will be a record of your journey throughout the project, from the early stages of fundraising, to designing, building, testing, fine-tuning and finally racing your car.

WHY MAKE A PORTFOLIO?

- It will highlight the skills that you have learnt throughout the Greenpower project
- You can use your portfolio to gain your Industrial Cadets award
- It acts as a record of your engineering experience and can be used when applying for apprenticeships, part time jobs, college or even University
- The best portfolio at each event receives an award from Greenpower

WHAT SHOULD MY PORTFOLIO LOOK LIKE?

- Your portfolio is unique to you, showcasing your skills and talents. Everybody's should look different!
- Add QR codes to share your videos and photos
- Win any awards on a previous race day? Make sure you include these
- Create a job specification of a role in industry after visiting a company or completing web based research
- Include a piece of written work which documents an important part of your Greenpower project – a newspaper article, a diary entry or a narrative
- Take screenshots of the design ideas you created using CAD software
- Show off annotated sketches of your car designs
- Share testimonials written by your teachers or mentor





INDUSTRIAL CADETS AWARD

GETTING YOUR SILVER INDUSTRIAL CADETS AWARD

To get your Silver Industrial Cadets award you must spend 30 hours on a project. You are very likely to be spending 30 hours whilst you are completing your Greenpower project, so you should definitely get this award too!

The table shows the tasks that you must complete and the skills that you will develop. The skills section is great for your CV or in interviews as it highlights your experience.

THE SKILLS THIS WILL HELP YOU DEVELOP

TASKS TO COMPLETE

| | Careers motivation & awareness | Creativity and innovation | Communication & collaboration | Teamwork | Critical thinking & problem solving | Digital Skills | Personal & interpersonal development |
|--|--------------------------------|---------------------------|-------------------------------|----------|-------------------------------------|----------------|--------------------------------------|
| Company and sector research Can be web based | ✓ | | | | | ✓ | ✓ |
| Company visits Try and organise a visit to a local company | ✓ | | ✓ | | | | ✓ |
| Company presentations and activities The company will arrange activities for you | ✓ | ✓ | ✓ | | ✓ | | ✓ |
| Mentor interaction Will take place throughout your Greenpower project | ✓ | | ✓ | ✓ | | | ✓ |
| Hands on activities Designing, building & racing your car | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Graduation event Creating your portfolio | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Make sure you spend at least 15 hours planning, designing and building your car. The rest of the time should be spent creating your portfolio, completing industry research and visiting a local company. Remember that your portfolio is used as evidence to gain your Silver award.

For more information on registering for the Industrial Cadets award contact: info@greenpower.co.uk

STRUGGLING TO START YOUR PORTFOLIO?

We recommend structuring it chronologically, after all the portfolio is meant to show your team's journey from the start line all the way to the chequered flag!

1. PROJECT BEGINNINGS

- Why did you get involved?
- What were you hoping to learn?
- Did you have to fundraise?
- Who was in your team?
- What roles did each member have?

2. INDUSTRY RESEARCH & MENTORING

- How was your company visit?
- Who was your mentor?
- What was their career history?
- How did they help overcome obstacles?
- What did you learn from your them?

3. DESIGNING THE CAR

- What are the most important design features of your car?
- Why did you choose your final design?
- Include screenshots of your CAD prototype designs.

4. IF YOU'VE RACED PREVIOUSLY

- Why was your car successful in the race?
- Why was your car unsuccessful in the race?
- What was your fastest lap time?
- Did you have to overcome any problems?
- What design improvements could you make?

SUBMITTING YOUR PORTFOLIO

If you're entering for the Industrial Cadets award, you'll get more information when you register – contact info@greenpower.co.uk to find out more.

If you are entering your portfolio for the portfolio award at an event, simply bring it with you on race day and take it to race administration when you sign in. It will then be judged during the day by our independent judging team. They'll ask you if they have any questions or want to find out more.



5. CLOSING REFLECTIONS

- What were your team's biggest strengths?
- What were your team's biggest weaknesses?
- What skills have you developed?
- Has this project changed your career aspirations?
- Which was your favourite part of the project?



Off you go!





GREENPOWER

MORE INFORMATION

If you'd like more information,
please contact:

info@greenpower.co.uk

01243 552305

greenpower.co.uk

**The Greenpower Centre
Arundel Road
Fontwell
West Sussex
BN18 OSD**

Greenpower Education Trust
registered charity no. 1133536 in
England no. SC046969 in Scotland.



Greenpower Education Trust



@greenpower_team



@Greenpowertrust



Greenpower Education Trust



@GreenpowerTrust

National supporter



Media, Legal and Consulting supporters



Regional supporters

