

NORTH-EAST SOLAR ENERGY CHALLENGE 2008

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www.solar-active.com - enquiries@solar-active.com

I hope participation in the Solar Car Challenge 2008 was enjoyable. We would appreciate if you would complete the following questionnaire to assist us to provide support in 2009.

1. *How did you create the design of your solar model car?*
 - a. *What inspired you?*
 - b. *Did you look at other solar model car designs e.g. on solar-active website?*
 - c. *Did you work alone or as a team? If as a team, how many were in the team?*

2. *What design process did you use in building the car? Brainstorm? Team work? Did you take into account key elements of **weight**, and **friction**, **gearing**, gearing in relation to **size of wheel** and/or **availability of sunlight**, nature of **track**, **angle of solar cell** in relation to direction of sunlight, time of day and time of year.*

3. Did you use the **solar-active website to download the assembly instructions?** How helpful did you find the instructions for building the car?

4. Did you use any of the links to support materials in the **SOLAR ENERGY ACTIVITY GUIDES, TECHNICAL INFORMATION & DOWNLOADS** document?

5. *What was the **easiest & hardest part of building** the car? Any **difficulties in assembly** or usage of the components?*

6. *What **improvements** and/or changes would you like to make to the car?*
 - a. *Bigger wheels, remote control, more cells, type of materials for the components*

7. *Did your solar car work? If so, how satisfied were you with its' performance?*

8. *Is there something else you would like to build if you had more time and "stuff"?*
 - a. *Full size car, helicopter, plane, boat – DRAW A PICTURE on reverse side of this page!*

9. *Make a list of anything which could be solar powered?*

10. *Does building the car make you more aware of wider environment and practical use of renewable energy. Are there solar powered "things" you have noticed since building the car? Would solar power in UK help the environment if so – how? Can you do something about climate change.*

11. *Do you have an understanding of how solar electric energy works from building the car?*