

NORTH-EAST SOLAR ENERGY CHALLENGE 2008

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

TEACHER QUESTIONNAIRE OF SOLAR CHALLENGE 2008

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.

As an incentive, on return of your comments, we will send you a solar mini-water pump to use with the solar cell you were given as part of the Challenge.

1. Have you or any of your students used the [car assembly](#) guidelines? If yes, please comment on their 'user friendliness'.

2. Please comment of the "SOLAR ENERGY ACTIVITY GUIDES, TECHNICAL INFORMATION & OTHER DOWNLOADS" document.

- **Was it useful in encouraging the students to create solar powered devices / 'wacky designs** [with recycled materials] using double solar cell in the kit.

3. In preparation for the Solar Challenge have you downloaded and used any of the teacher support documents listed below:

- [Learning via "trial and improvement"](http://original.solar-active.com/troubleshooting2.doc) <http://original.solar-active.com/troubleshooting2.doc>
- How the solar cell is manufactured and works – includes OHP's for teaching <http://www.original.solar-active.com/xous.pvtec4.doc>
- How the solar motor works - Two guides have been written in how the solar motor works: - [Emotor](http://original.solar-active.com/xcvl.pvmot3.pdf) AND <http://original.solar-active.com/xcvl.pvmot3.pdf>
- - "Maths for solar engineers" - <http://original.solar-active.com/centreofwheel.pdf>
- [Angle Adjustment construction instructions.](http://original.solar-active.com/Angle%20Adjustment%20Guide-long.pdf) [<http://original.solar-active.com/Angle%20Adjustment%20Guide-long.pdf>]
- **SOLAR CELL EXPERIMENTS:-** <http://www.original.solar-active.com/xnes.pvinvestigation.pdf>

4. Did you access any **Technical/Educational Downloads via password [morephotons](#) [<http://original.solar-active.com/morephotons.htm>].**

5. What do you do with the solar car after the Solar Challenge? Have you used the solar cell for Science experiments?

6. Have you downloaded and used or intend to use in the future:-

- **Energy and Renewable Energy Resources posters:** - [<http://original.solar-active.com/posters.htm>] <http://original.solar-active.com/poster2.htm> and <http://original.solar-active.com/poster1.htm> and **worksheets** [classroom worksheet](#)
- **Energy In Short Supply-** <http://original.solar-active.com/case1.pdf>
- **Sound/light** - http://original.solar-active.com/sound_light_activity.pdf
- **Propeller Spinner** - www.solar-active.com/xtdx.spin3.pdf
- **Handling Data** - <http://original.solar-active.com/case2.pdf>
- **Performance of the cars** - <http://original.solar-active.com/case3.pdf>
- **Maximum speed** – www.solar-active.com/xdfi.maxspeed.pdf
- **Mini-water pump** - <http://original.solar-active.com/pump3.pdf>

7. Are you aware that the solar resource used in the Solar Challenge is designed to strengthen the knowledge, skills and raise attainment when students are designing and building their solar devices? As well as, related to:-

- a. STEM [Science, Technology, Engineering and Mathematics] subjects
- b. 'Enrichment and enhancement'
- c. 'Enjoyment and Achievement'
- d. 'Every Child Matters'

To receive a **free mini-solar water pump kit** return this questionnaire to:-
Schools & Homes Energy Education Project, 53 MOWBRAY ST. UNIT 12,
SHEFFIELD S3 8EN.

You can also send your comments to david@solar-active.com

NAME.....

SCHOOL or
ORGANIZATON.....

ADDRESS.....Postcode.....

Email.....

Phone.....