

ZERO CARBON YORKSHIRE/SOLAR-ACTIVE

Project title: STEM SOLAR CAR

17/11/2022

HD9

South Yorkshire

Aim: The funding from Leeds Community Fund enabled ZCY in partnership with a local charity, Schools & Homes Energy Education Project/Solar-Active (www.solar-active.com) enabled ZCY to deliver activities that tackle issues of young people choosing STEM subjects related to career opportunities in renewable energy technologies.

What done: The Solar-Active solar STEM car resource was used successfully for the project by teachers and students (8-14) in State and Home-schooled. Between March 2021 and March 2022 seventy one practical solar in-person and zoom sessions were delivered to assist 301 young people to learn and understand how solar power works. The students experienced our 'Let me do it, I'll understand' approach, which encourages problem-solving by applying STEM's innovative and integrated approaches to teaching and learning.

Resources used: Solar-Active solar STEM car resource

Carbon Outcome:

Other Outcome: Activities conducted about how electricity flows in solar car PV circuit. The students gained knowledge for a solid grounding in core principles of climate change science. Excellent feed-back was received. "As part of solar car project, Year 6 children developed their understanding of solar energy and how it can be used to power everyday objects. The practical application of the session supported a discussion about advantages and disadvantages of solar power and

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Sponsor: ZCY was successful in 2021 to receive a small grant from Leeds Community Foundation Community Partnership Fund.

