

2026 Shell NXplorers Programme



NEW ENERGY
新能源 NEW GENERATION
2026 新世代

全港一年一度的中學生太陽能車比賽盛事

Call for Rideable Solar Car Team

NXplorers Award Submission note





New Energy Generation 2026 & EV Week

The “New Energy Generation 2026” and “New Energy Vehicle Week” are organized by the Engineering Discipline of the Hong Kong Institute of Vocational Education (IVE). Since its launch in 2017, the event has been successfully held five times and has become an annual solar car competition for secondary school students in Hong Kong. The event aligns with the United Nations Sustainable Development Goals (SDGs), particularly Affordable and Clean Energy (SDG 7) and Climate Action (SDG 13). Thanks to the support of various sectors, last year's competition attracted participation from 42 secondary schools. The New Energy Vehicle Week also received an enthusiastic response. In the coming year, the organizing team will continue to conduct interactive outreach activities across all 18 districts of Hong Kong, allowing more students and teachers to experience the importance of sustainable development and the practical applications of new energy technologies in daily life. This year's event continues under the theme: “Following the Light, Driving Sustainability through Carbon Reduction”

Students will have opportunities to apply classroom theories to the design, assembly, and testing of solar-powered vehicles. Through hands-on experience, participants will create innovative, energy-efficient solar cars and demonstrate their technical achievements on the race track. A series of STEM-, technology-, innovation-, and engineering-themed activities will also be organized to encourage young people to explore renewable energy solutions and transform classroom knowledge into practical engineering applications.



Team Information

We sincerely invite all teams to apply for the Off-Track Awards. This year, the IVE Engineering Discipline and Shell Hong Kong will jointly organize workshops utilizing the Shell NXplorers methodology, which incorporates Systems Thinking and interactive learning approaches. Through the programme, students will explore global challenges related to energy, water, and food, analyze issues and their interconnections from the perspectives of different stakeholders, and develop sustainable solutions.

By engaging in real-world, issue-based learning, students can cultivate critical thinking, problem-solving abilities, and multi-perspective analytical skills. To encourage participants to apply the knowledge and skills gained through the programme to the development of their solar vehicles, the Shell NXplorers Award has been established.

Participating teams are required to prepare and submit the materials specified in Appendix 1. Supporting photographs and videos may also be included for the judges' reference.

Starting from 21 September 2026, teams may begin submitting the required documents. All submission materials must be emailed to shwong02@vtc.edu.hk on or before 30 September 2026.

Please read the award requirements carefully and complete a separate application form for each award applied for. The organizer reserves the right to make the final decision regarding all applications. Decisions made by the judging panel concerning applications and award selections shall be final.

Shell NXplorers Award

Each team is required to submit a Team Portfolio, which shall include:

1. A completed Shell NXplorers Award Questionnaire (see Appendix 1).
2. A supporting report providing additional information related to the questionnaire responses. Supplementary materials may be prepared in either Chinese or English and may be submitted in presentation format (.ppt or .pdf only).
3. A 2 to 3-minute video explaining how NX Thinking or NXplorers Tools contributed to your team's thinking process, problem-solving approach, or vehicle design. (Format: MOV or MP4 only. Please provide a download link.)

All files must be named beginning with:[Team number]_Shell_item (x), For example:
R01 Shell_item (1). Teams must submit the complete Team Portfolio to
shwong02@vtc.edu.hk on or before 30 September 2026. Late submissions will not be
accepted.

Appendix 1

Shell Nxplorers Award Questionnaire

A	School Name
B	Team Name
C	Team Manager Name
D	Team Manager Email
E	Team Manager Contact Number
F	Please describe the key issue that your team is focusing on. (This may be related to water, energy, food, or other Sustainable Development Goals.)
G	How did your team analyze the root causes of this issue? Which stakeholders' perspectives were taken into consideration?
H	What is your team's vision of the ideal future? Please briefly explain how your proposed solution contributes to achieving this vision.
I	How did your team evaluate the feasibility of the proposed solution (e.g. time, cost, and resources)? What are the expected and potential unintended impacts of implementing this solution?
J	Please briefly explain how NX Thinking or the Nxplorers Tools helped to advance your team's thinking process or design development.