



DAILY PROGRAMME

Green Energy, Clean Future: Renewable Energy and Sustainable Practices in Education

DURATION 5 days · 25 hours	DAILY SCHEDULE 09:30–15:00 Monday to Friday, with a break for lunch	LANGUAGE English (B1+)
COURSE CENTRES Antalya · İstanbul · İzmir · Mersin · Budapest · Bremen · Rome Dates and cities of the scheduled sessions are listed on the course page.		GROUP SIZE Max 20 participants

Week at a glance

DAY 1 Fundamentals of Renewable Energy and Global Energy Issues	DAY 2 Solar and Wind Energy	DAY 3 Renewable Energy Applications in Schools and Bioenergy	DAY 4 Future Energy Technologies and Innovative Teaching Methods	DAY 5 Energy Efficiency and Course Conclusion
--	--	---	---	--

Day by day

Day 1

Fundamentals of Renewable Energy and Global Energy Issues

- **Icebreaker:** "Energy Cycle Game" — an interactive game contrasting renewable and fossil fuels
- Introduction to renewable energy sources and the global energy crisis — the EU's Renewable Energy Directive (RED III) 42.5%-by-2030 target
- Solar, wind, hydropower and biomass energy — opportunities for schools
- **Group activity:** developing ideas for renewable energy projects in schools

Day 2

Solar and Wind Energy

- **Warm-up:** two systems, eight parts — in small groups, participants sort eight mixed-up terms, such as blade, inverter, generator and solar cell, into a solar-energy system and a wind-energy system, then say in one sentence how the parts of each work together
- How solar energy systems work, and how to teach them
- Wind energy and turbine design, and school applications

- **Hands-on:** building a mini solar panel
 - **Hands-on:** wind turbine design simulation using an online tool such as KidWind's or WhiteBox Learning's
 - **Group activity:** planning renewable energy projects for schools
-

Day 3

Renewable Energy Applications in Schools and Bioenergy

- Implementing renewable energy projects in schools and lessons
 - **Bioenergy:** turning organic waste into energy, and how to teach it
 - **Hands-on:** building a compost bin — how organic waste breaks down in air, and why the same waste sealed away from air (anaerobic digestion) is what produces biogas
 - **Group activity:** designing bioenergy projects for schools
-

Day 4

Future Energy Technologies and Innovative Teaching Methods

- Future trends and innovations in renewable energy technologies
 - **Hands-on:** turning one of your three builds into a single lesson for your own class — the age group, the question it answers and what the students record — then trying it out on a partner
 - **School visit:** observing renewable-energy projects in practice, where a local school with a working installation is available and in session — the exact site is confirmed shortly before the course rather than in advance; otherwise, the session works through a documented school installation instead
-

Day 5

Energy Efficiency and Course Conclusion

- Energy efficiency and conservation strategies for schools, sized against what the week's builds could realistically offset
- Sustaining renewable energy projects within the school system: what share of the school's own energy use they could realistically cover, and what it would take to get there — set against the EU's 42.5% target introduced on Day 1
- **Final project:** presenting your renewable energy project, in a short format, to a panel of fellow participants and the trainer

- Course evaluation and reflection on learning
- Certification ceremony

PLEASE NOTE

Sessions run from 09:30 to 15:00, Monday to Friday, with a break for lunch. Timings can shift a little to suit the venue and the group.

Course activities and content may vary depending on participants' needs and the trainer leading the session; any changes are at the trainer's discretion. If there is a specific topic you would like included, please let us know — content-related requests must reach us at least 3 weeks before the course start date so we can confirm them in time.

ISSUED BY

Erasmus Mobility Academy

OID E10304561

Cumhuriyet Mah. 1637 Sk. Yaşar Şahin Apt. No:3/2

Yenişehir/MERSİN

info@erasmusmobilityacademy.com

+90 530 319 40 65

COURSE PAGE

erasmusmobilityacademy.com/courses/green-energy-clean-future-renewable-energy-and-sustainable-practices-in-education