

TOPIC PACKS · K-Y6

Earth Day & Sustainability

Five days of facts, action, and hope

About this pack — read first

Day 1 — What is climate change?



Day 2 — Renewable vs fossil energy

Day 3 — Home energy audit

Day 4 — What's actually working in the world



Day 5 — Class action plan

Things you can do (and what they actually achieve)

Action	Real impact	How easy
Turn off lights when leaving rooms	Small but real per home	Very easy
Reusable water bottle instead of plastic	About 200 plastic bottles per child per year	Easy
Walk or cycle to school instead of car (when possible)	Significant per family	Depends on distance
Eat less meat (especially beef)	Significant per person	Medium — needs family input
Recycle properly (right bins, washed items)	Modest but real	Easy with practice
Support climate causes you understand	Modest but cumulative	Easy
Plant trees (even one in a garden)	Small per tree, big over decades	Medium
Vote for climate-aware policies (when adult)	Largest individual action	When you turn 18

Climate facts (accurate, age-appropriate)

Earth's average temperature now vs 1880

About 1.1°C warmer (sounds small, but climate effects are big at this level)



Where most CO2 comes from	Fossil fuels burned for electricity, transport, heating, and industry
Why cows matter	Cows produce methane (cow burps), which is a strong greenhouse gas
Country with most CO2 per person	Generally USA, Canada, Australia, Saudi Arabia, in that ballpark
Country reducing CO2 fastest	Many — UK, Denmark, Costa Rica, France have all made big cuts
What needs to happen	Roughly halve global emissions by 2030 to stay below 1.5°C warming
Is it too late?	Climate scientists say no — but it's getting harder. Action over the next 10 years is critical.

