OUR SCHOOL Energy Action HUB

L•A•S•E•R®



7 energy-efficient activites for schools

Motiviate your students to explore real-world energy use, waste, and sustainability through exciting and interactive learning!



Class Activity 1

Energy Detective Challenge

Start your Energy Detective Challenge!

Find and fix energy waste in your school!

Students become **Energy Detectives**, investigating where energy is being wasted (lights left on, doors open with heating on, devices in standby mode) and coming up with solutions to cut unnecessary energy use.

This **energy audit** helps students think critically about sustainability and take responsibility for energy saving.

Method:

1. Assign teams to patrol different areas of the school (classrooms, hallways, IT rooms, staff rooms).
2. Use a detective checklist to spot energy waste.
3. Record problems and potential solutions, e.g. “Light on in an empty room - create reminder stickers!”
4. Share findings in class and vote on the best energy-saving solutions.

Materials needed:

- ✓ Clipboard or notebooks
- ✓ Printed checklists (or a digital version)
- ✓ Pencil and highlighters
- ✓ **Optional:** Thermometer to check heat loss

Energy-saving focus:

- Helps students see and understand energy waste in real-time
- Encourages personal responsibility for sustainability
- Supports real-world problem-solving and teamwork

Extra tips:

- **Follow-up idea:** have students present their findings to the school council or create an “Energy Waste Awareness” poster campaign.
- **Expand it!** Compare findings week to week - have the “best-improved area” get a sustainability reward!



Class Activity 2

Eco Pledge Wall!

Build your own Eco Pledge Wall!

Encourage your class to take action and commit to energy-saving habits!

Small daily changes make a big difference when it comes to reducing energy waste. In this activity, students will create a **class-wide energy-saving pledge**, display it for all to see, and track their progress over time.

This helps **build awareness, teamwork, and accountability** while making energy efficiency part of daily school life.

Method:

1. As a class, brainstorm energy-saving ideas, e.g. turning off lights, reducing paper use, keeping doors closed.
2. Agree on one pledge to commit to as a group.
3. Write or illustrate the pledge in coloured paper and decorate it.
4. Stick it on the Eco Pledge Wall and track progress with stickers or check marks each week.

Materials needed:

- ✓ Large paper or bulletin board
- ✓ Coloured paper and marker pens
- ✓ Stickers or stamps for tracking progress - or you can make these using coloured paper!

Energy-saving focus:

- Helps students form long-term, energy-saving habits
- Encourages group responsibility and teamwork
- Makes sustainability a visible part of the school

Extra tips:

- **Celebrate success!** Reward classes that stick to their pledge for a term.
- **Expand the challenge!** Involve the whole school by creating a school-wide pledge board.



Class Activity 3

‘Switch-Off’ Patrol Challenge

Class Activity 3

Start a ‘Switch-Off’ Patrol Challenge!

Turn students into energy-saving champions!

Even small actions—like turning off unused lights and devices—**add up to big energy savings**. In this activity, students form **patrol teams** to monitor and reduce energy waste across the school.

Method:

1. Assign **teams of students** to patrol classrooms, corridors, and offices at different times of the day.
2. Use a **tick sheet** to record lights, projectors, or computers left on when not needed.
3. Share findings each week and reward the most energy-efficient class!

Materials needed:

- ✓ Patrol checklists (printed or digital)
- ✓ Stickers or certificates for rewards
- ✓ Display board for results

Energy-saving focus:

- **Encourages daily habits** of switching off unused devices
- Reduces **unnecessary energy waste**
- Helps **students take ownership of sustainability**

Extra tips:

- **Nominate a "Switch-Off Hero"** each week to keep excitement high!
- **Get teachers involved**—remind staff to **check their classrooms** before leaving.



Class Activity 4

‘Free-From’ Power Hours!

Roll out ‘Free-From’ Power Hours!

See what happens when we go electricity-free!

Powering down for just **one hour a week** reduces electricity use and encourages **creative, screen-free learning**. This activity helps students **appreciate how much we rely on energy** and **find fun, alternative ways to learn.**

Method:

1. Pick one lesson or lunchtime where the class will go electricity-free.
2. Turn off lights, computers, and projectors.
3. Engage in non-digital learning, such as reading, storytelling, outdoor activities, or art.
4. Reflect on how different the lesson felt without electricity.

Materials needed:

- ✓ Books, worksheets, or outdoor space
- ✓ Paper and pencils for reflection activities

Energy-saving focus:

- Reduces **unnecessary energy use** for an hour
- Encourages **imaginative, hands-on learning**
- Highlights **how much we rely on electricity**

Extra tips:

- **Make it a challenge!** See which class can go the longest without power.
- **Extend it to the whole school**—try a **"No Power Friday"** once a month!



Class Activity 5

Women in Science Energy Trailblazers!

Class Activity 5

Research Women in Science Energy

Inspire the next generation with energy-saving role models!

From **renewable energy pioneers** to **climate scientists**, women have played a key role in sustainability. This activity **celebrates their achievements** while teaching students about **energy-saving innovations**.

Method:

1. Assign students or groups a **female scientist or engineer** to research.
2. Have them **present their findings** through a **poster, speech, or mini assembly**.
3. Discuss how these role models have **helped shape energy-savingtechnology**.

Materials needed:

- ✓ ☐ Internet access or printed research materials
- ✓ ☐ Poster board, paper, or digital slides

Energy-saving focus:

- Showcases **scientific breakthroughs in sustainability**
- Encourages **interest in STEM careers**
- Highlights **the role of women in climate action**

Extra tips:

- **Make it interactive!** Run a **"Guess the Scientist"** quiz at the end of the lesson.
- **Turn it into a display**—showcase students' research around school.



Class Activity 6

Green Champions Challenge!

Get involved in a Green Champions Challenge!

Who can save the most energy? Let's find out!

This challenge **gets the whole school involved** in saving energy. Each class competes to **reduce energy use**, with **Green Champions** leading the way!

Method:

1. Assign **Green Champions** in each class to monitor energy use.
2. Each week, track **energy-saving habits** (e.g., lights off, heating lowered).
3. Reward the class that saves the most energy at the end of term!

Materials needed:

- ✓ Tracking sheet or **energy monitor (if available)**
- ✓ Prize or certificate for the winning class

Energy-saving focus:

- **Encourages teamwork and responsibility**
- **Promotes real behaviour change** across the school
- **Makes sustainability competitive and fun!**

Extra tips:

- **Let students lead**—have them design their own Green Champion badges!
- **Involve parents!** Encourage energy-saving at home too.



Class Activity 7

Classroom Recycling Station!

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Create a Classroom Recycling Station!

Reduce waste, one classroom at a time!

Setting up a recycling station **helps students understand waste management** and take an active role in sustainability.

Method:

1. Set up **separate bins** for **paper, plastic, and general waste**.
2. Assign students as **Recycling Monitors** to check correct sorting.
3. Track progress and discuss ways to **reduce waste further**.

Materials needed:

- ✓ Reusable bins (or labelled cardboard boxes)
- ✓ Posters showing **what can be recycled**

Energy-saving focus:

- **Reduces landfill waste and energy used for new materials**
- **Teaches responsibility and waste reduction**
- **Encourages recycling habits beyond school**

Extra tips:

- **Set recycling goals!** Challenge students to **reduce waste** each term.
- **Make it creative!** Let students design bin signs and posters.