



ENERGY CAMPAIGN

TURN IT OFF – COMPUTERS, PROJECTORS AND OFFICE EQUIPMENT

Technology in schools such as computers, monitors, projectors, Smart Boards, photocopiers, fax machines, and printers can use tremendous amounts of energy. This campaign helps to identify if the equipment is used efficiently, and ensure the power is shut down when not needed.

Pre Campaign Audit

Audit the technology in your school to find out if it is being used efficiently. As well as your own investigations, you may need to talk to the person who looks after the computers in your school, and to office staff. With this information you can decide whether a campaign to turn off unneeded computers and office equipment would be valuable for your school.

Use the chart below or create your own to monitor the use of computers and office equipment in your school.

Type and Location of technology	Computer room- computers and monitors	Main office- Printers, photocopier, fax machine, chargers	Classrooms- computers, monitors, projectors or interactive white boards	Library- computers, monitors and printers	Other
When is the technology shut down? Example: end of day, weekends and holidays					
Are power saving features (sleep settings) activated? Yes/No Example: after 10 minutes.					
Who is responsible for turning off equipment?					



Are power bars used to turn off power to technology that isn't in use? Yes/No					
Is new equipment EnergyStar™ qualified? Yes/No					

Monitoring

During the campaign, use the chart below or create your own to monitor the use of computer and office equipment.

Date and time of monitoring: _____

Location and type of Computer/Projectors/Office Equipment	Is it on or off?	Is it being used?	When was it last used?

Post Campaign Audit

Ask some students and staff the following questions:

1. Were they aware of the Turn it Off- Computers, Projectors and Office Equipment campaign?

Number of **yes** answers _____ Number of **no** answers _____

2. Did it help to change your behaviour in turning off equipment not in use?

Number of **yes** answers _____ Number of **no** answers _____

2. What types of reminders would help people to remember to turn off computer equipment when not in use?



Turn it Off- Computers and Office Equipment Ideas for Campaign

1. Meet with computer and office staff to find out what would make it easier for technology to be shut down when not needed. Listen to their concerns about things like convenience and updates and take that into account when preparing your campaign. Investigate solutions.
2. Prepare posters that explain how and when to shut down computers, or other technology. Place posters above or near the technology so that students and staff will see them.
3. Communicate your information to students and staff by creating announcements, class presentations or a short video.
4. During the campaign use sticky notes or other prompts near the technology to remind, and reward people for shutting down technology when not in use.
5. Look at SaskPower's cost calculator for the cost of electricity for printers, computers and other office technology.
<http://www.saskpower.com/efficiency-programs-and-tips/save-power-at-home/analyze-your-use/power-consumption-calculator/>
 - Calculate the savings of reduced use of computers and office equipment. To calculate the greenhouse gas emissions saved by turning off the technology:
 - Energy = Power x time
 - Energy (kWh) = watts used by the technology x hours/day x days/school year x kW/1000W.
 - kWh/yr x 0.763kgCO₂ = Greenhouse Gas emissions. (kgCO₂/kWh/yr)

Curriculum Connections

Grade 5 Social Studies: Outcome RW5.1 Explain the importance of sustainable management of the environment to Canada's future.

Grade 6 Physical Science: Outcome EL6.1 Assess personal, societal, economic and environmental impacts of electricity use in Saskatchewan and propose actions to reduce those impacts.

Grade 7 Social Studies: Outcome RW7.3 Assess the ecological stewardship of economies of Canada and the circumpolar and Pacific Rim Countries.

Grade 8 Health Education: Outcome USC8.6 Examine and assess the concept of sustainability from many perspectives, and develop an understanding of its implications for the well-being of self, others, and the environment.

Grade 9 Physical Science: Outcome CE9.4 Critique impacts of past, current, and possible future methods of small and large scale electrical energy production and distribution in Saskatchewan.