

Preparatory Checklist Energy

Information

The following information is needed for the climate check:

date:

done:

- Energy bills (electricity and heating) of the last three years (kWh, rates and cost), incl. information on specific prices (per ton or cubic meter of fuel, per kilowatt-hour).
- Heated area of the school (if necessary, the cleaned surface as well). **Attention:** These data might only be available with the school authority. Make sure you get the copies in time!
- Technical data of the heating. Which part/s of the building is/are supplied by which heating circuit?
- How is the school heated at the weekend or during holidays (drop of temperature)?
- Location of *all* electricity meters (incl. gym, caretaker's flat, etc.). Which part/s of the building has/have its/their separate meter/s?
- What electrical devices are run in the school (this might also be an inventory)?
- Who is responsible for the electrical devices of the school?

Contact person on the spot

During the project days your group has to question the following persons:

date:

done:

- secretary
- caretaker

If possible include expert partners, like an energy consultant for buildings or the operator of the heating (like public services or school authorities/building department/municipal energy control centre).

Rooms

During the project days the group has to have temporary access to the following rooms – if necessary someone has to accompany them:

date:

done:

- all rooms of the school, including boiler room, sanitary rooms, gym, cellar, kitchen etc.
- all electricity meters (basement, corridors, etc.).

Material

The following specific material is needed:

date:

done:

- plan of the school,
- digital thermometer with sensor (display accuracy 0,1 °C),
- if possible digital thermometers with automatic measuring,
- if needed, hygrometer and measuring device for CO₂ in the room air,
- measuring devices for energy costs (for electricity), like luxmeter, connectors,
- measuring tape
- topic-oriented information material on energy policy or photovoltaic solar power plants.

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The following general material is needed:

- checklists for the collection of data (if necessary check before use and adjust them to the specific situation of the school, print them in sufficient numbers),
- cameras (simple digital cameras or camera phones; might be brought by the pupils),
- computers (for data and image processing, internet researches and, where necessary, for multimedia presentations),
- presentation material like large sized paper, pencils, scissors and glue, some magazines as material for illustrations, if needed, cardboard, transparencies and insulating material for the construction of a model "energy-saving house".

Pupils should bring their normal writing utensils, something to write on and a pocket calculator.

Task for the preparation

Your pupils need the data on energy consumption during a whole week (incl. the weekend). Therefore, no. 1 of the checklist energy consumption should already be done during preparation.

date:

done:

More notes on the preparation

