Energy Detective

SD-B124 / STRATEGISTS · AGES 10–12

Find five things using power while off or idle and rank them.

YOU NEED: Pencil; a walk through one room (look only, no touching)

ANALYZE	Look around one room. Find five things that might be using power when no one is using them.
CHOOSE	Look for small lights, screens in standby, chargers or clocks. List them.
TEST	Guess which uses the most power, then rank them from most to least.
REFLECT	What is one safe change a family could make? Talk it over with a grown-up.

ENERGY LOG

Thing	Light or glow?	My rank (1 = most)

Where I looked

Sketch the room and mark where each thing is.

One change a family could make

A family could

Because

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SD-B124 / GROWN-UP GUIDE · STRATEGISTS

A little help beside the learner. Read this page first; keep the answers here.

LEARNING GOAL
Practice observing, estimating and ranking, and thinking about habits.

BEFORE YOU BEGIN
You need: Pencil; a walk through one room (look only, no touching). Look only; do not touch outlets, plugs or cords.

HOW TO GUIDE
Look only. Do not touch outlets, plugs or cords, and do not unplug anything. Power use can vary, so your child's ranking is a guess. A grown-up can check labels or a meter and decide whether to change habits.

WHY IT MATTERS
Estimating and then checking trains judgment. Noticing everyday energy use also connects daily habits to bigger systems.

LOOK FOR THIS REASONING
Look for a clear way of ranking, honesty that it is a guess, and a change that is realistic.

IF THEY GET STUCK
Ask: what does it do when nobody is using it? Is it warm, lit or making a noise? What do you guess about that?

MAKE IT GENTLER
Find just three things and say which uses more.

ADD A LITTLE STRETCH
Check labels with a grown-up and compare with your guess.

A USEFUL STOPPING POINT
With a grown-up, make one change and see if it feels easy.