

SCHUMACHER DELPHINE & CHATTON GREGORY | HEP FRIBOURG | SWITZERLAND

Simple machines

Our project is to get elementary school pupils to discover and explore simple machines from an interdisciplinary perspective. The starting point for the exploration is to ask students questions about the historic buildings in their own town. Over time, to build their homes, humans learned to use different materials, including stones weighing several hundred kilograms. **How did they do it?** Then, in the sports hall, various devices (pulleys, ropes, skateboards) invite students to investigate several problem situations with their bodies. Back in the classroom, they continue with their experiments, taking measurements on wooden scale models to bring out the first laws of physics

