

László Orosz DOC High School Educational Centre of Demecser

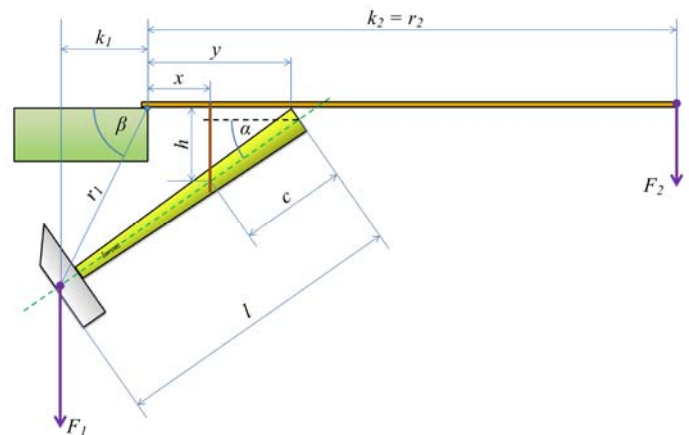
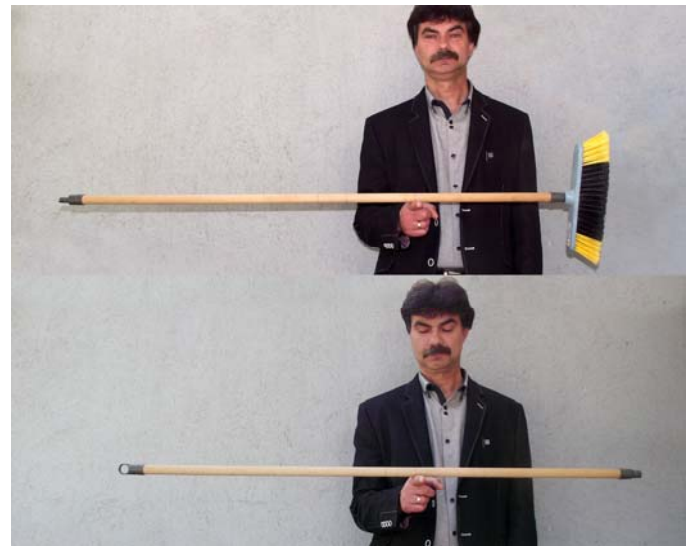
Objects in our surroundings in balance

Everyday objects are used in the physical experiments

Collect different household devices in your home. Try to find the **equilibrium position** of these objects. Then alter them (remove or add parts).

Do they act the same way?
No, they don't. Let's find out why!

Take a simple **broom** for instance. By taking off the brush the equilibrium position will not be at the expected place.



Is it possible to fill a **glass** on the end of a **wooden ruler** that is not attached to the table? Of course the ruler is not nailed to the table. Yes, It can! You can even fill the glass with some wine. But guess how!



Why are these experiments good?
They can help students understand the events.
Playfulness and rules lead to proof.
The equipment does not cost much.