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Inquiry Based Science Education with ISTIC and LAMAP

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[Home](#) > Crane's Balance

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- Summary : The pupils are engaged in the technological design of an object: they must draw a construction plan for a crane. When making their prototype, they learn to cut, drill, and assemble the material (wood) with specific tools. This module allows pupils to identify problems related to the concept of balance through the construction of a crane.
- Publication : 1 February 2004
- Objectives : Understand the basics of operating levers and scales; build prototypes from the picture of an object or a scale model; observe, analyze and isolate operating systems (movement, balance, pulleys); make construction diagrams; search for technical solutions: assemble fixed or mobile links, usage of pulleys.

Note :



No votes yet

Crane's Balance

This module was proposed by Jean-Paul Bourbigot and put online. The document was then worked on by a team of teachers, as part of an internship with Helen Merle and Muriel Guedj. Sequences have been implemented, and Helen Robin, in a report to the IINRP, announced the results of this work.

A number of additions and variations were then proposed. Some aspects that were important to Mr. Bourbigot were put into perspective. You will find sometimes in sessions reactions by him, about this second version of the file.

Let's recall that the proposed activities on the site are proposals, files or reports still open to discussion!

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