

The description of the model

The model is an associative image which shows the comparison of some notion , process or phenomenon of science or mathematics with some everyday or natural object, process or phenomenon .

1. Theoretical basis

- Choose a notion, process or phenomenon whose model you will form !
- Look up its definition or explanation in the course book or other source of information !

Notion , process or phenomenon	Definition or explanation
Pendulum	A simple pendulum consists of a relatively massive object hung by a string from a fixed support. It typically hangs vertically in its equilibrium position. When it is displaced from equilibrium and then released, it begins its back and forth vibration about its fixed equilibrium position. The motion is regular and repeating, an example of periodic motion.

2. and its description

- Choose some everyday , natural or other object , process or phenomenon which , in your opinion , reflects best the scientific/mathematical notion, process or phenomenon chosen in Step 1 of the worksheet!
- Find the image of this object, process or phenomenon or draw it yourself !
- Take into account that the drawing or the image should be easily perceptible , simple and without unnecessary details which could disturb to see the main idea of the drawing or the image !
- Draw or place the image of your chosen object, process or phenomenon into the necessary column !
- Give proof where you see the associations (similarities) between the scientific/mathematical notion, process or phenomenon and the everyday or natural one! Describe your proof into the corresponding column of the table !

Description of the model	Model
A cat playing with a hanging tassel. The tassel works as a pendulum when the cat hits it while playing with it, because it rocks back and forth about its equilibrium position.	