# Nico and Lina – Trigonometry and some vectors

(Create a story about someone who needs to pass a stream and find a suitable location. In this case we have Nico who needs to pass a moat to his girlfriend Lina)

## Task:

* You shall transport Nico (now in the shape of a small figure) over the moat by constructing a floating craft.
* Calculate, without measuring across the moat, the distance.
* Think about the drift and explain how you compensate.
* Do every calculations you need for Nico´s trip over the moat.

## Report:

* You shall show and test your construction.
* Write a document that describes how your craft works including the calculations.
* Evaluate your results and propose eventual changes.