TITLE	
	The Homothetic Globe
SUBJECTS	Science, Engineering, Maths
CLASS	
	SECOND CLASS OF THE SECONDARY SCHOOL
	2G
DURATION	Different time during the year

MATERIALS	- A Globe without support
	- small piece of plasticine to anchor a small gnomon
	-small gnomon
	-protractor
OBJECTIVES	With this activity, the kids can
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TOPICS	
	This is a preferably outdoor activity but it's possible to do it inside simulating the sunlight with a powerfull lamp.
	Remove the support of the Globe and rest on a big roll of scotch. Now, point the earth's axis towards the North and tilt the Globe according to the parallel (Rome is on the 42° parallel). Paste, right to the city on the Globe where you want to proceed with the observation, a small gnomone with a piece of plasticine (you can use toothpicks). Now, you can observe the movement of the sunlight throw the moving of the gnomone shadow in the place where you live.
	In the same way it's possible, changing the parallel, to observe in the same way, what would happen if we were at the poles or at the equator.

ASSESSMENT	The assessment is focused on the ability of students to: construct a model step by step thinking about what it demonstrates, pay attention to measurements, managing, constructions of model itself and calculations of the different variables.