

LO1 STEM in Action

“MY BEST” - STEM LESSON

We are not looking for detailed lesson plans – just great ideas, lessons that go well (with why) and unusual ideas and approaches. The idea is to inspire others.

Lesson Plans

Lesson Title	Graphs of mathematical functions using mathematical Functions 2.0
STEM Topic	Science – Technology – Engineering – Maths – STEM (ALL) (Circle as appropriate)
Aims of the Session (Links to curriculum and qualifications?)	The program serves as a didactic tool for teaching and studying graphs of mathematical functions. Students use its advantages and possibilities to dynamically change the function parameters with immediate connection to redraw the graph with the new parameters. In one lesson, students should repeat the graphs of these functions: constant, linear, quadratic, power, trigonometric, exponential and logarithmic.
Group and Age	15-18
Lesson Description - Key ideas and/or novel approaches	The lesson aims to practice and consolidate the functions of the curriculum, particularly graphing each function. The lesson aims to practice and consolidate the functions of the curriculum, particularly graphing each function. The use of mathematical software Function 2.0 lets exercising more examples. This will strengthen the students' curriculum. Students working together in classroom notebook. Everyone has his or her laptop and works independently. In conclusion, the teacher enters the provisions of several functions that pupils must be drawn in the software and submit to a common repository for inspection.
What do you like about this session?	Choice of law functions in the program is not limited to ready the teacher, but students are allowed to enter their own prescription function and work with him as well as the ready.
How does this Lesson cater for women or students from a minority ethnic background	This lesson develops abstract and spatial thinking at given groups of students.
Any other comments or suggestions	Excellent yet simple program that speeds up and simplifies teaching graphs of mathematical functions.

