

## Institute for Education

**Tel:** 2598 2001

**Email:** [ife@ilearn.edu.mt](mailto:ife@ilearn.edu.mt)

### LETTER CIRCULAR

**Date:** 30<sup>th</sup> March 2017

**Ref:** IfE 15 /2017

**To:** College Principals, Heads of Schools (State and Non-State) Education Officers and Sections

**From:** Joanne Grima - CEO Institute for Education

**Subject:** Workshop: Inclusive Strategies and Techniques for Secondary School Maths Learning

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Following on from a series of successful workshops in March 2016, MDA in collaboration with the Institute for Education and the Department of Counselling, will be organising a repeat of the workshop on secondary school math learning. Challenges in teaching and learning will be explored as detailed below. The workshop will be delivered by Dr Giannis Karagiannakis. The medium of communication will be English. The details of the workshop are below:

**Dates:** **Wednesday 26<sup>th</sup> April 2017 between 17:00 - 20:00**

**Venue:** **MCAST (ROOM TBA)**

**The cost of the workshop is €25. The Institute for Education is sponsoring €10 of the cost of this workshop for the first 50 applicants who are educators working in schools. Reimbursement will be on presentation of a receipt. The registration form is attached. The workshop is capped for 60 participants.**

The main purpose of this workshop is the introduction of a practical assessment model for capturing a broader picture of a student's strengths and weaknesses in mathematics as well as the presentation of effective strategies, differentiate methods and alternative techniques for teaching mathematics to secondary education learners. The resources, strategies and techniques proposed in this workshop are inclusive tools which may be used both for learners with or without learning difficulties/disabilities. This workshop will contribute to detect learners' individual learning mathematical profiles as well as acquiring sound instructional methods, a solid grasp of the subject, and expertise with using resources which are part of the learners' everyday world.

Topics that will be covered among others are:

- Understanding the decimal system;
- Understanding the four basic operations;
- The role of 0 and 1;
- Positive and negative numbers;
- Variables, powers and roots;
- Problem solving; Solving linear equation;
- Simplify algebraic expression;
- Remarkable identities;
- Functions and graphs;
- Factorization;
- Solving quadratic equations and inequalities.

Relevant worksheets will be provided. Dr Karagiannakis will not only share practical teaching strategies for the above topics but also model these strategies in their instruction and give time and space for participants to practice these techniques.

Participants attending this workshop must wear comfortable clothes and get with them an inch tape, a pack of playing cards and euro coins (25x 1 cent, 15x 10 cent, 3x 20 cent, 2x 50 cent, and 5x 1 Euro).

**Details will be sent shortly regarding a workshop for primary school teachers that is going to be held on Friday 28<sup>th</sup> April 2017 between 16:00 and 20:00 and on Saturday 29<sup>th</sup> April between 08:30 and 13:30. For more information kindly contact MDA Malta on: [secretarymdamalta@gmail.com](mailto:secretarymdamalta@gmail.com) or on 79092910.**

Thank you.

**Joanne Grima**

**CEO Institute for Education**