

Extrait du
UREM :
Unité de Recherche sur l'Enseignement des Mathématiques

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Stanford University

"Introduction to Mathematical

Thinking" Dr. Keith Devlin

- Extra-muros -



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Le MOOC "Introduction to Mathematical Thinking" (3e édition) commence le 2 septembre 2013.

« The goal of the course is to help you develop a valuable mental ability - a powerful way of thinking that our ancestors have developed over three thousand years.

Mathematical thinking is not the same as doing mathematics - at least not as mathematics is typically presented in our school system. School math typically focuses on learning procedures to solve highly stereotyped problems. Professional mathematicians think a certain way to solve real problems, problems that can arise from the everyday world, or from science, or from within mathematics itself. The key to success in school math is to learn to think inside-the-box. In contrast, a key feature of mathematical thinking is thinking outside-the-box - a valuable ability in today's world. This course helps to develop that crucial way of thinking.

The primary audience is first-year students at college or university who are thinking of majoring in mathematics or a mathematically-dependent subject, or high school seniors who have such a college career in mind. They will need mathematical thinking to succeed in their major. **Because mathematical thinking is a valuable life skill, however, anyone over the age of 17 could benefit from taking the course.** »

Coursera : <https://www.coursera.org/course/maththink>