

## **Improve Mathematics Education – Teach Mathematics as an Experimental Science**

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### **Abstract**

”Mathematics Revolution” – that was the headline in the German weekly newspaper DIE ZEIT in fall 2006. Very enthusiastically a journalist reported on math lessons he had monitored. More than 1800 schools had participated in a very successful project with the bulky title “Increasing Efficiency in Mathematics and Science Education”. In this project my chair at Bayreuth University was the responsible adviser for mathematics. Therefore I intend to explain our special “philosophy”. We had succeeded in integrating the teachers in the development of ideas and materials and therefore they have accepted changes in teaching. Mathematics turns out to be an experimental science – at first an unfamiliar point of view for most of our teachers. ... In 2008 an extension to further European countries is intended.