Discussion on

Teaching Informatics (Computer Science) for Secondary School (K-12)

Concern about Informatics Education at Scools

- **ACM** - Association for Computing Machinery
- **ACM SIGSCE** - Special Interest Group for Computer Science Education
- **CSTA** - Computer Science Teachers Association (USA)
- **IFIP** – International Federation for Information Processing

CSTA K-12 Computer Science Standards

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This document provides comprehensive standards for K–12 computer science education that can be used to **integrate computer science fluency and competency** throughout **primary and secondary schools**, both in the United States and throughout the world.

- To be well-educated citizens in a computing-intensive world and to be prepared for careers in the 21st Century, it is imperative that students have a clear understanding of the principles and practice of computer science.

These standards provide a three-level framework for CS

- It is expected that the learning outcomes in Level 1 (K-6) will be addressed in the context of other academic subjects.
- The learning outcomes in Level 2 (K-9) may be addressed either through other subjects or in discrete computer science courses.
- Level 3 is divided into three separate courses:
  - Computer Science in the Modern World
  - Computer Science Principles, and
  - Topics in Computer Science.

- Additional information about ongoing activities to support CS education in K–12 can be found at the CSTA's Web site **csta.acm.org**