Today’s Technology in Mathematics Classroom

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TODAY’S TECHNOLOGY IN MATHEMATICS CLASSROOM
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HAS TECHNOLOGY BEEN USED IN LESSON PLANS?
Yes. Lessons using integrated approach with technology accounted for 53% of the sample of 234 randomly collected lesson plans for grades 7-12 from teachers.net website. Statistics confirm that there is a consistent increase of technology use in schools, albeit very slow.

(see the graph below)

The yearly percentage of increase of using technology in classroom

EXISTING STATE OF KNOWLEDGE
In the 21st century, technology has found its place in the curriculum. However, its integration into the classrooms is often difficult due to teachers’ lack of technological skills or time to adapt their lesson plans. Once these barriers are overcome, teachers can engage students in the new types of learning, based on their multiple intelligences and the brain-based learning which may be complex and difficult, but exciting and captivating.

Main Question:
Are teachers using technology in their mathematics lesson plans?

Sub Questions:
1- How do teachers incorporate technology into their lesson plans?
2- How does technology and its use differ per grade levels?
3- Do teachers use openly available Internet resources?

IMPORTANCE
This research responds to some concerns regarding slow adoption of technology in schools. It presents the extent to which teachers use technology in their lesson plans and the reasons for not fully integrating it. Because of different paces at which technology and education change, more research is needed to provide updates and directions.

CONCLUSIONS
Technology integration is essential for the 21st century learning. There are barriers to smooth implementation of technology in the curricula. While access to technology is secured, it may not be used adequately in the classrooms. Teachers who are not fully trying to integrate technology into their mathematics lesson plans, need to think about students’ future which is going to be totally based on technology when they grow up and enter the workforce.

REFERENCES
Purcell et al. (2013). How teachers are using technology at home and in their classrooms.