

WHAT MATH TEACHERS SAY THEY NEED TO USE DIGITAL TOOLS MORE EFFECTIVELY

FINDINGS FROM THE 2020 SPEAK UP RESEARCH PROJECT



NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS

MATH TEACHERS WANT SPECIFIC PROFESSIONAL LEARNING TO ENHANCE THEIR INSTRUCTION TODAY

% of Math Teachers

I want to learn how to ...

% of K-12 Teachers Nationwide

51%	Differentiate instruction using technology	52%
45%	Implement project-based learning in my class	47%
37%	Integrate digital content within lessons	39%
37%	Use animations and simulations within lessons	37%
37%	Use digital or online games within instruction	38%
34%	Create my own videos for students to watch	31%
22%	Teach a fully online class	19%
21%	Teach digital citizenship to students	25%

83% of Math Teachers say it is important that new digital products include PD for teachers

TO USE TECHNOLOGY MORE EFFECTIVELY, MATH TEACHERS NATIONWIDE SAY THEY NEED:

Planning time with colleagues
62%

Professional learning about effective use of digital tools
50%

Classroom set of digital learning devices for every student
49%

Confidence that students have out-of-school Internet access
49%

Just-in-time tech support
44%

Reliable, high-bandwidth Internet in the classroom
41%

In-school coaching on effective usage of technology
36%

List of district approved digital resources
35%

MATH TEACHERS ARE USING A VARIETY OF RESOURCES TO LEARN ABOUT APPS, WEBSITES OR DIGITAL PRODUCTS FOR THEIR CLASSROOM

Most popular resources for Math Teachers:

●	76%	Other teachers at their school or in their district	●	53%	School of district provided PD
●	61%	Doing online research on their own	●	46%	Attending a conference
●			●	41%	Local school and district administrators