

# Missouri Teacher Professional Development Survey

## For K-12 Educators Teaching Science, Technology, Engineering, or Mathematics

If you provide any instruction to students in science, technology, engineering, or mathematics, we consider you a "STEM teacher." In order to develop useful professional development in STEM areas, we need to hear from you. Your responses will help us to evaluate and strengthen K-12 STEM education in Missouri.

*Please completely and carefully fill in each chosen circle with a #2 pencil or blue/black pen.  
Do not use ink that soaks through the paper.*

### YOUR TEACHING

Reporting only on your current teaching assignment, which subject(s) do you teach at the following grade levels? (Please mark all that apply.)

	Grades K-3	Grades 4-6	Grades 7-8	Grades 9-12
Mathematics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Technology	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Engineering	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

What proportion of your teaching assignment is in each subject?

	No teaching	Less than half	About half	More than half	All of my teaching
Mathematics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Technology	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Engineering	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Including this school year, how many years have you taught at the K-12 level?

0-2 years	<input type="radio"/>	3-5 years	<input type="radio"/>	6-10 years	<input type="radio"/>	11-15 years	<input type="radio"/>	16-20 years	<input type="radio"/>	Over 20 years	<input type="radio"/>
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### PROFESSIONAL DEVELOPMENT HOURS

For this survey, **professional development** is an organized activity for the purpose of learning techniques to improve teaching and student learning.

How many hours of professional development have you participated in during the past 12 months?

0 hours	<input type="radio"/>	6-10 hours	<input type="radio"/>	41-60 hours	<input type="radio"/>
1-2 hours	<input type="radio"/>	11-20 hours	<input type="radio"/>	61-80 hours	<input type="radio"/>
3-5 hours	<input type="radio"/>	21-40 hours	<input type="radio"/>	more than 80 hours	<input type="radio"/>

How many of these hours emphasized **STEM** teaching or learning?

0 hours	<input type="radio"/>	6-10 hours	<input type="radio"/>	41-60 hours	<input type="radio"/>
1-2 hours	<input type="radio"/>	11-20 hours	<input type="radio"/>	61-80 hours	<input type="radio"/>
3-5 hours	<input type="radio"/>	21-40 hours	<input type="radio"/>	more than 80 hours	<input type="radio"/>

# PROFESSIONAL DEVELOPMENT PREFERENCES

Please select your level of agreement with the following statements.

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
I would like to attend professional development for STEM teaching and learning to improve my instructional practices.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Quality professional development programs for STEM teaching and learning are readily available to me.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am able to adopt or adapt strategies learned from STEM professional development programs into my teaching practice.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have support from my principal to pursue professional development for STEM teaching and learning.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The students in my school stand to benefit from STEM professional development available to our teachers.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
My participation in STEM professional development would help to improve my teaching.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
STEM professional development would be received positively within my school.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

From the following list of aspects of a professional development program, please rate how important each aspect is to you.

	Not Important	Slightly Important	Moderately Important	Very Important	Extremely Important
Learning about new and innovative teaching strategies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Learning from other teachers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Learning from experts in the field	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Networking with other teaching professionals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Receiving feedback on teaching practices	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Accessing ready-to-use materials	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Meeting professional development requirements from my school or district	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Learning about new ideas emerging from STEM fields	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

How interested would you be in attending professional development programs delivered in the following ways?

	Not Interested	Possibly Interested	Definitely Interested
Training or workshops during school hours	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Recurring sessions during school hours	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Recurring sessions outside of school hours	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
One-time, short workshops (1-2 hours)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
One-time, half day workshops	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
One-time, all day workshops	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Weekend trainings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Intensive summer workshops (1-2 weeks)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ongoing support programs (mixture of trainings and support throughout the year)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



Based on your current teaching assignment and the curriculum designated by your district, how **important** is it for you to teach about the following STEM topics AND how **interested** would you be in participating in professional development about these topics?

	Importance to Teach about this Topic				Interest in Attending PD		
	Not Important	Slightly Important	Moderately Important	Very Important	Not Interested	Possibly Interested	Definitely Interested
Genetic engineering	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Climate change	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Plant science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bioinformatics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Coding/computer programming	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Soil health	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Local weather patterns	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use of drones to collect scientific data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Robotics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## INTERNET ACCESS

From the following types of online access, please rate how often each type is available to you in your school building?

	Never Available	Sometimes Available	Always Available	I Don't Know
Reliable access to an internet connection at my school for email and web browsing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reliable access to high speed internet at my school for viewing videos and streaming content	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Access to online learning management systems (e.g., Blackboard, Moodle, and Global Classroom) at my school	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Access to lesson portals (specialized websites with vetted collections of lesson plans, e.g., eThemes) at my school	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Access to social media sites like Twitter and Facebook at my school	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## COMMENTS

Please add any comments about your STEM professional development needs.

BARCODE

THANK YOU VERY MUCH FOR TAKING THE TIME TO ANSWER THIS SURVEY.

Please return survey in the enclosed postage-paid envelope or to  
ARC, 2800 Maguire, Columbia, MO 65203