outlier

RESEARCH & EVALUATION CEMSE | UNIVERSITY OF CHICAGO

Jeanne Century, Director

Identifying and Measuring STEM Schools and Programs



This material is based upon work supported by the National Science Foundation under Grant No. 1445592

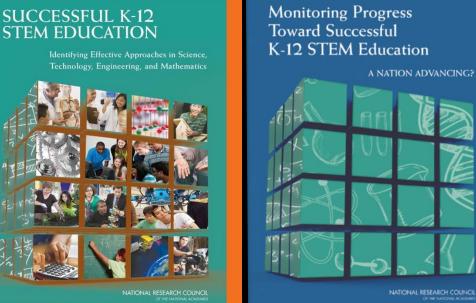
What is a STEM School?

What is a STEM School?



What is a STEM School?





What is success?



Identifying and Measuring STEM Schools and Programs

How can we measure success?

14 Indicators

K-12 STEM SCHOOL TAXONOMY



	REQUIRED ATTRIBUTES at least one At least one of these is necessary for a STEM School designation.
	NUMBER of S, T, E, M courses offered is greater than typical state and/or college admissions requirements (e.g. Advanced Calculus; AP Computer Science) AND is required for ALL students in school.SCOPE of S, T, E, M courses is greater than typical state and/or college admissions (e.g. Computer Science, Engineering) AND is required for ALL students in
1	ADDITIONAL COMPONENTS
	no limit These components further differentiate STEM schools.
	S.T.E.M. (or S.T.E.Mrelated) SPECIFICPBLResearch ExperiencesTechnology IntegrationCareer
	NOT S.T.E.M. SPECIFICPersonalization of LearningCollege Readiness ActivitiesFocus on 21st Century SkillsVaried AssessmentsShared CulturePartnerships and Community TiesSustainability/ Improvement Plan
2	DESCRIPTIVE VARIABLES
	These are descriptive qualities; they do not affect the STEM school designation.
	SELECTION (one or more) Application - Interest and Academic Evaluation Application - Interest and Lottery No Application - Assigned School (e.g. neighborhood)
	STRUCTURE (only one) School within a school Residential School Whole STEM School Cyber/online School
	FUNDING Private Public
3	This material is based upon work supported by the National Science Foundation under Grant No. 1445592
Any opin	IDENTIFYING AND MEASURING STEM SCHOOLS AND PROGRAMS ions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.

Recap:

All schools should have a high quality S.T.E.M. program.

STEM Schools should have MORE





To create STEM School opportunities for kids we all need to:

- Communicate clearly and specifically
- Learn together
- Accumulate Knowledge