

The STEM Education Quality Framework

<i>What it is....</i>	<i>What it is not...</i>
A guide to scaffold STEM Fellows and PK-12 teachers in the STEMEd instructional design process.	A prescriptive methodology for teaching science, technology, engineering, or mathematics.
A set of principles that provide a conceptualization of the teaching and learning context in which quality STEMEd might be situated	A substitute for the NSTA, NCTM, ISTE, or NAE standards.
A cognitive tool for promoting teacher reflection and self-assessment.	A substitute for research-based, content-specific pedagogies in math or science education.
A vision of STEMEd that provides a common set of principles and language to promote dialogue between and among STEMEd stakeholders.	A formulaic approach to STEM education that de-values the role of teachers as curriculum designers and assessment specialists.
A formative assessment tool for STEMEd leaders to use in planning professional development experiences for classroom teachers.	A classroom observation tool for supervisors to use in the summative evaluation of classroom teachers.