

Management Information System (MIS) 2011-2012: Understanding more about ITEST projects

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2011-2012 MIS Design

Section	Sub-sections	Who completed
Overall project description	Project background Areas of expertise and interest Participants Dissemination Project objectives Research and evaluation	All projects
Project content focus	Project content focus	Projects working with youth and/or teachers
Teacher descriptions	Teacher descriptions	Projects working with teachers
Youth descriptions	Youth descriptions	Projects working with youth

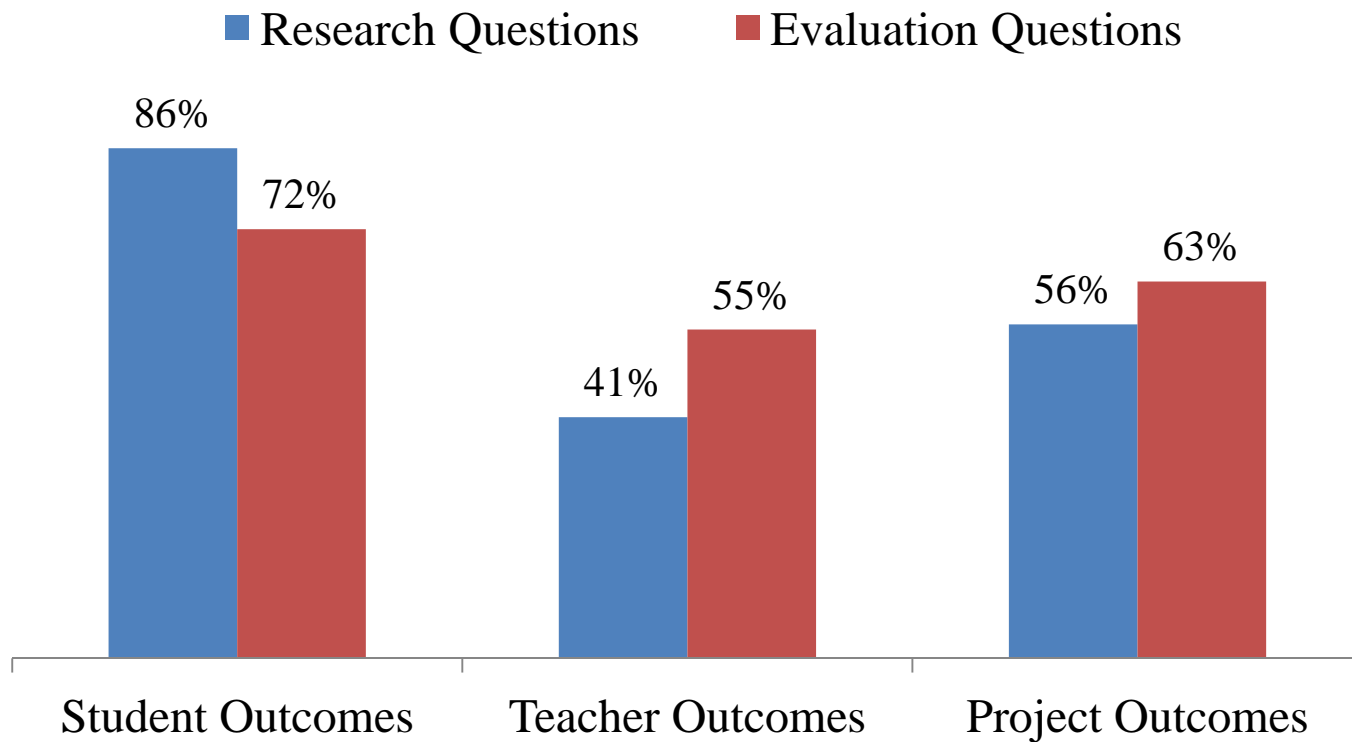


Data Briefs

- Monthly, short, in-depth analysis of themes
- First Data Brief examines:
 - Research/Evaluation questions
 - Outcomes measured
 - Project findings



Percentage of projects reporting research and evaluation questions by outcome area



Project Findings

- Youth/Students – **Increased:**
 - STEM content knowledge and skills
 - Interest and engagement in STEM
 - Interest in preparation for STEM careers
- Teachers – **Improved:**
 - Pedagogical skills
 - STEM content knowledge and skills
- Project level – **Identified effective:**
 - Professional development models
 - Instructional strategies



Next Steps

- Additional analysis of MIS data, trends over time (3 years of MIS)
- Future Data Brief themes may include:
 - Areas of expertise among PIs
 - Project partners
 - Dissemination practices
 - Project activities and characteristics
 - Participant descriptions (teachers, youth)
 - Instrumentation, including externally validated
 - Research and evaluation questions

