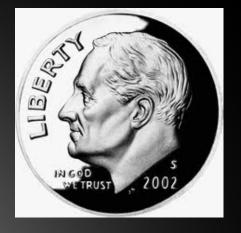


"a new pair-o-dimes"



A New Paradigm for STEM

Becky Ashe
KCS STEM Coordinator
Principal, L&N STEM Academy



Looking for directions

- Successful K-12 STEM Education: Identifying Effective Approaches in Science, Technology, Engineering, and Mathematics, The National Research Council, 2011
- "The primary driver of the future economy and concomitant creation of jobs will be innovation, largely derived from advances in science and engineering."

First to the Top

Platform school – L&N for Knox County

Regional Hubs – KARST, UCRSI, UETSI, . . .

TSIN – state network

STEMx – multistate network for STEM

Philosophies of the L&N

Student engagement – personal technology

Rigorous paths of study

Authentic learning – STEM 1 - 4

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Lessons Learned

Abolish the isolation

Common work space

Shared classrooms

Embracing a universal curriculum

- Habits of STEM
- Co-facilitation
- Teacher as learner

Emergence of authentic curriculum

Lessons Learned #2

 Different philosophy of engagement Technology integration Modeling So you say you have a STEM focus...what makes your classroom/school look different? Habits of STEM Nerd pep rally Sigma Tau Phi Shooting rockets



Lessons Learned #3

- Spirit of inquiry
 - Latitude in classroom management
 - Organized chaos
 - Professional safety net
 - Administrative cheerleaders and models
 - Staying on the bleeding edge



You can be part of this:

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