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MassCUE/MASS
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Thanks to Peter Reynolds for Art

The origin

- **Waltham 2005**
- **Promoting LIFT²**
- **Question: How do I Know?**

The Proposition

- **Develop a searchable & interactive knowledge exchange /connector to coordinate available STEM resources**
- **Bring them to end-users to support PK-16 teaching & learning to improve STEM education outcomes in the MA STEM Plan**
(Gov. STEM Advisory Council)

		STEM Council 2012 Priorities						
		STEM Plan Goals						
		Student Interest	Academic Achievement	Student Readiness	Graduation Rates (post-secondary)	Educator Effectiveness	Workforce Development Employer Awareness & Readiness	Public Awareness
		Diversity Data						
		Longitudinal Evaluation						
Partners and Stakeholders								
Districts & Schools		Innovation Schools (STEM)			STEM ECHS			WOW
EOE	EEC					STEP		
	ESE	OMSTE; Innovation Schools (STEM)			STEM ECHS	UTeach	ABE	
	DHE			GEAR Up; Dual Enrollment	Vision Project	ITQ	Nursing and Allied Health Initiative	
EOLWFD								
EOHED		Choosing to Compete 21 st Century						
Regional Systems		STEM Networks; ESAs	Readiness Centers; ESAs	Readiness Centers; ESAs	Connect	Readiness Centers; ESAs	STEM Networks	STEM Networks
Public Higher Education					ABEL4 STEM	UTeach	MACCWDTA	STEM Summit
Private Higher Education						WPI STEM Center; NU STEM Center		
Non-Profits		Innovation Schools (STEM)						
		MAP				MAP		
		Latino STEM Alliance		YPFC				YPFC
		Girl Scouts						
Quasi's	CEC						http://cleanenergyeducation.org/	
	MTC							
	Mass TLC							
Corporations								
Foundations								

The Attributes.1

- **High quality STEM content organized by comprehensive & comprehensible criteria**
- **Single user interface /on-demand access**
- **Easy personalized access/ personalized searching capacity**
- **Networking/community functionality**

The Attributes.2

- **A suite of publishing tools**
- **Sustainable design**
- **Continuous updating**
- **Alignment with standards**
- **Ease of use**

The Actions

- **Develop support (MassCUE) & other agencies (MA & IA)**
- **Funding**
- **Develop Advisory Council**
- **Create the website**
- **Test it** • **Make corrections**
- **Distribute it**

The Challenges

- **Rhode Island experience**
- **Redundancy**
- **Currency**
- **Quality**
- **Utilization**

The Realities

- **MA technical development**
 - \$7K a week vs \$4K a month
- **Support from MLSC/constraints**
- **Other agencies w. more power**

Change The Equation

- Consortium of IKZ Advisors, Tufts Engineering Education & Outreach Center, Rockman et al
- The other one chosen...WestEd
- Announcement in late September
<http://changetheequation.org/improving-philanthropy/stemworks>

Differences

CTEq

- Intended for member investment in STEM
- (100 companies)

- National orientation

Search4STEM

- Intended for use by all stakeholders: educators, parents, students, businesses, policy makers...

- State by state orientation

<http://www.search4stem.org/>