

# Planning for Massachusetts STEM

*from the State House to the  
Student*

Share Fair, October 2009

Isa Kaftal Zimmerman

# Chronology

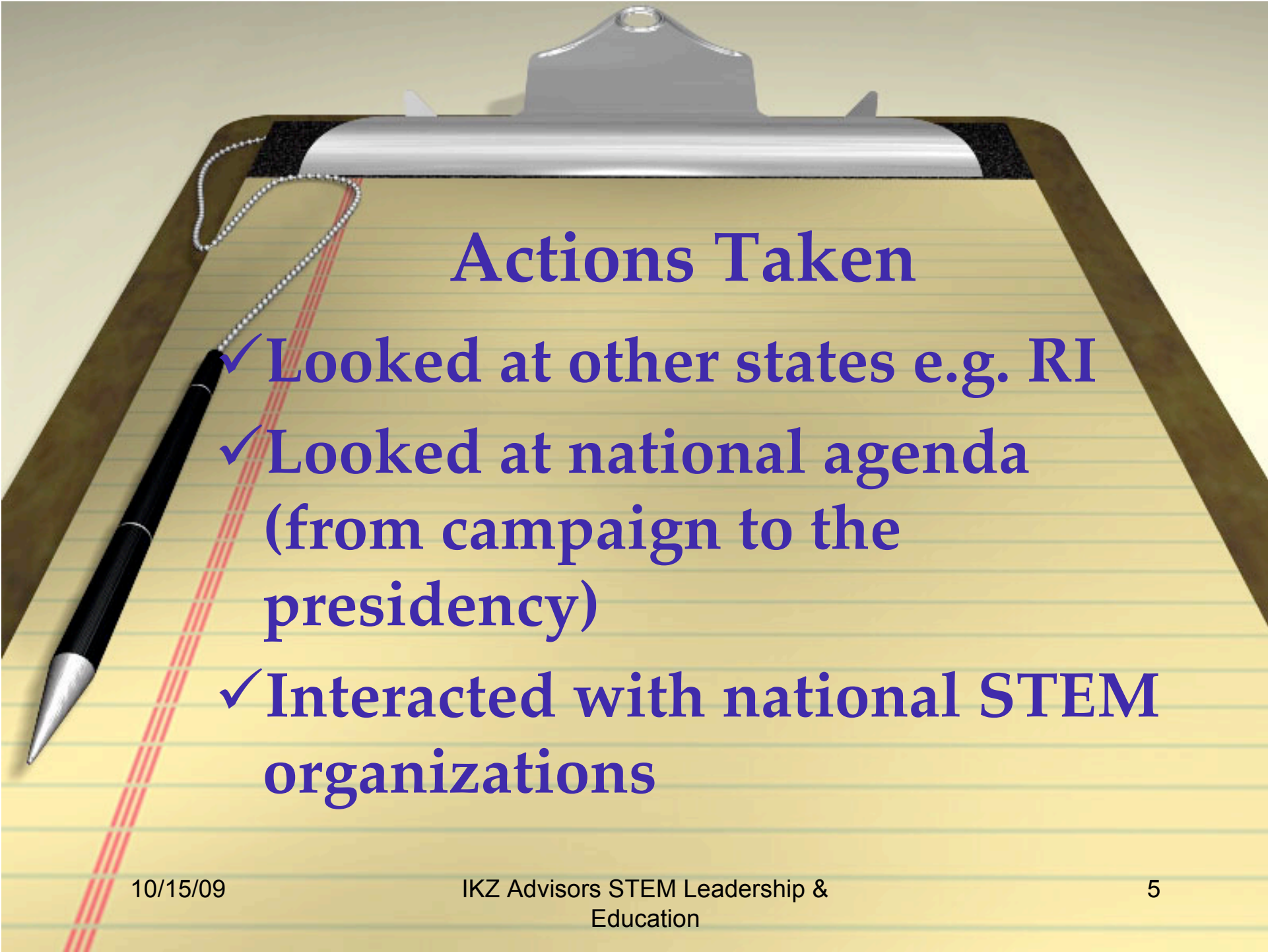
- **2006 began discussing a plan after STEM Summit III**
- **Convened a group 50+ stakeholders, worked 1 + year**
- **2007 Goddard Council approved development of state STEM plan.**

## Chronology 2

- ✓ EDC retained to oversee planning process/produced report
- ✓ 2008 Summit planners unofficially = The Coalition for STEM in Massachusetts


## Chronology 3

- ✓ 2008 Temporary resuscitation of S & T Caucus focusing on STEM, led by Rep. Cory Atkins
- ✓ 2008 Plan process morphed into outline ([http://www.ikzadvisors.com/wp-content/uploads/2009/09/MA-STEMPlanOutline4\\_26-08.pdf](http://www.ikzadvisors.com/wp-content/uploads/2009/09/MA-STEMPlanOutline4_26-08.pdf))



## **Actions Taken**

- ✓ **Looked at other states e.g. RI**
- ✓ **Looked at national agenda  
(from campaign to the  
presidency)**
- ✓ **Interacted with national STEM  
organizations**



## Discussion Points

- ✓ Goals and objectives
- ✓ Who should lead?
- ✓ Need for inventory
- ✓ Need for financing
- ✓ Role of stakeholders
- ✓ No unnecessary duplication



## Current status & hope

- ✓ Lt. Gov to head STEM Council
- ✓ Point person for STEM in MA
- ✓ Plan for STEM in MA beginning w. inventory
- ✓ October is STEM Education Month in MA



## Who contributed to the decision?

- ✓ STEM Summits (III,IV,V), planners
- ✓ Work/members of the Goddard Council (Pipeline funding)
- ✓ MA Business Roundtable
- ✓ MA Business Alliance for Education
- ✓ Associated Industries of MA, etc.





## Who contributed to the decision? 2

- ✓ Business: e.g. Raytheon, EMC
- ✓ The Press: MHT, Globe...
- ✓ Legislators, ie, Dan Boseley, Marie St. Fleur, Patricia Haddad
- ✓ CEOs, eg, Ray Stata, Henri A. Termeer
- ✓ EDs, eg, Joyce Plotkin, Chris Anderson



## **What about students?**

- ✓ **STEM Middle School Student Interest Project**
- ✓ **Cambridge Science Festival**
- ✓ **Science Fairs**
- ✓ **First Robotics**



## References:

- MASCD Perspectives, Winter 2009 issue (<http://www.mascd.org>)
- A STEM Stimulus Package, Summer 2008  
([http://media.centerdigtaled.com/Converge\\_Mag/pdfs/issues/ConvergeSum08\\_72.pdf](http://media.centerdigtaled.com/Converge_Mag/pdfs/issues/ConvergeSum08_72.pdf))



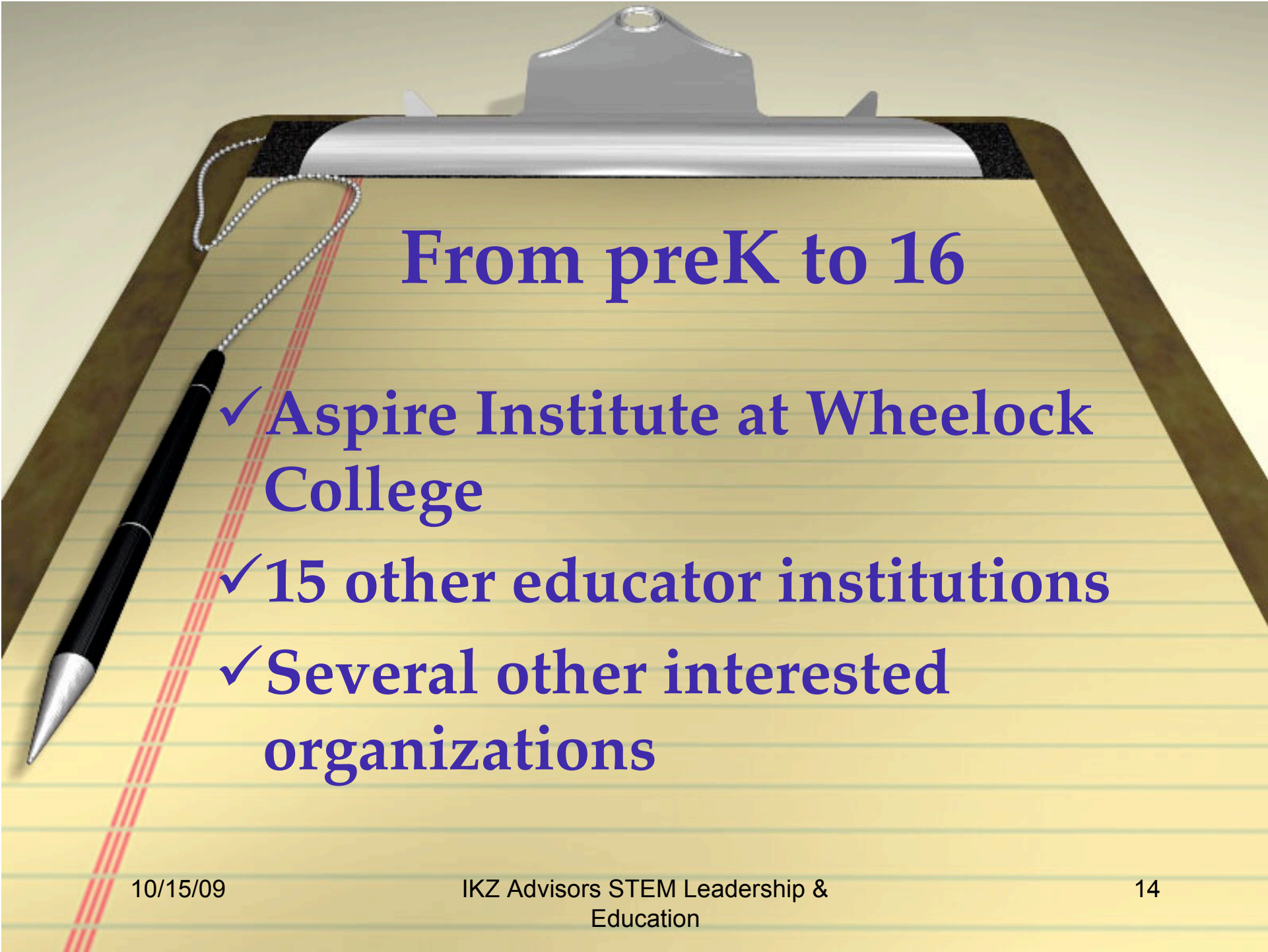
## **Preview: Converge Magazine article**

- ✓ Tom Fortmann, DESE Board**
- ✓ President of MoS, Ioannis Miaoulis**
- ✓ Tim Murray, Lt. Gov**
- ✓ Rep. Marie St. Fleur**



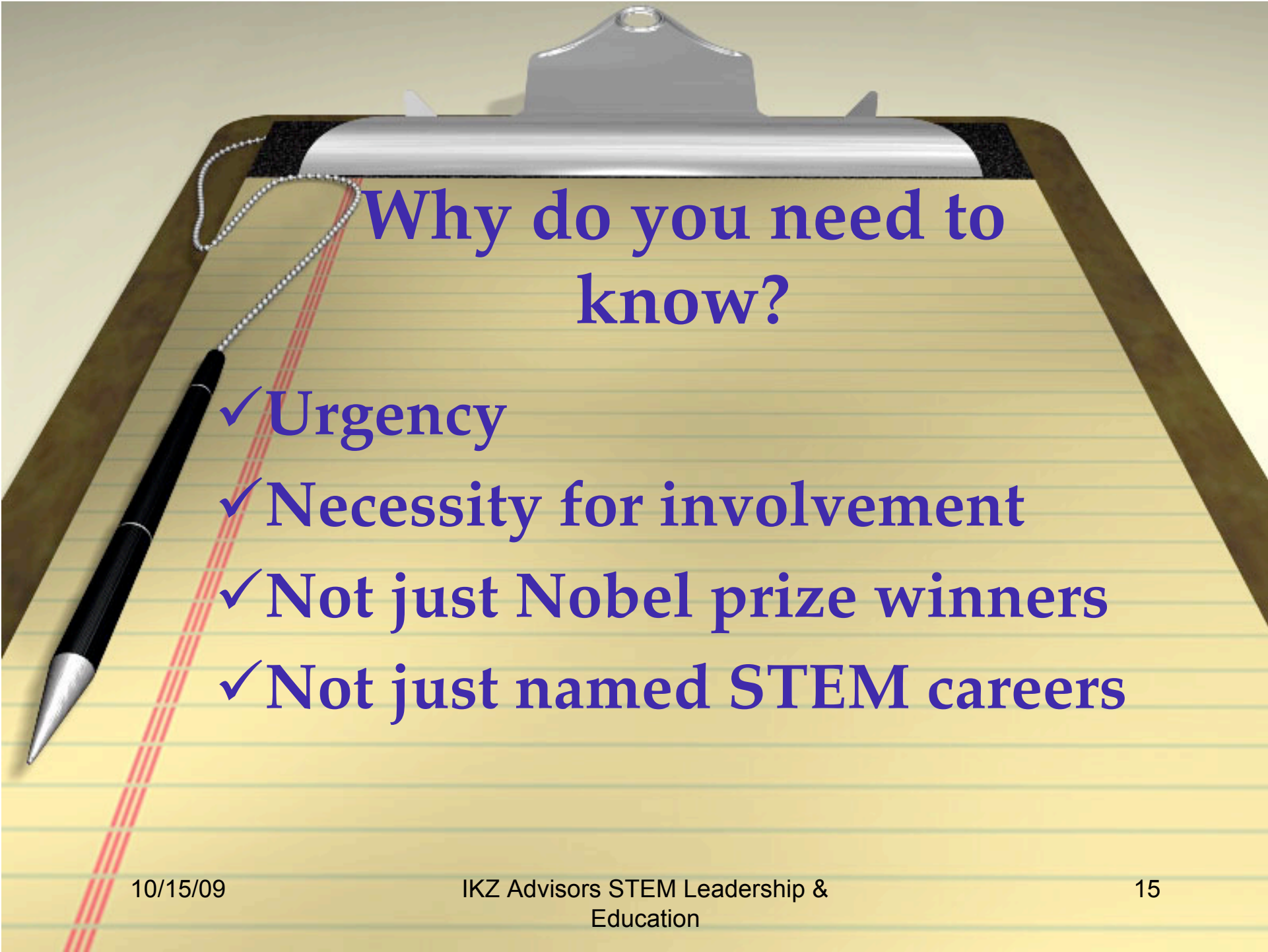
## The future

- ✓ From 1K Points of Light to Concerted Movement
- ✓ From preK to 16
- ✓ Collaboration among all stakeholders at state and national level



# From preK to 16

- ✓ **Aspire Institute at Wheelock College**
- ✓ **15 other educator institutions**
- ✓ **Several other interested organizations**



# Why do you need to know?

- ✓ Urgency
- ✓ Necessity for involvement
- ✓ Not just Nobel prize winners
- ✓ Not just named STEM careers