

**STEM Leadership Webinar With
AASA and JASON Learning
December 3, 2015, 10–11 a.m. ET**



With STEM occupations projected to grow by 17 percent from 2008 to 2018, compared to 9.8 percent growth for non-STEM occupations, the national decline of student interest in STEM fields is a problem that K-12 school leaders must address.

This webinar provides a comprehensive look at ways schools can expand STEM interest among students. It presents an online curriculum framework developed by JASON Learning. JASON Learning provides multimedia curricular experiences in science, technology, engineering, and math (STEM) for K-12 students, and corresponding professional development for educators in a wide variety of formal and informal education environments.

Key Takeaways:

1. What role schools can play in helping students take interest in STEM careers.
2. How school leaders can foster children's interest in STEM related fields of study.
3. Suggestions on how policy and practice can encourage children and adults to pursue STEM-related fields of study and careers.

Presenters:

Eleanor Smalley, CEO, JASON Learning
H.D. Chambers, superintendent, Alief Independent School District, Alief, Texas
Matt Montgomery, superintendent, Revere Local Schools, Richfield, Ohio
Mort Sherman, associate executive director, AASA
Bernadine Futrell, director, awards and collaborations, AASA

Introduction
Mort Sherman,
AASA Associate Executive Director



The STEM Education *Crisis*

- ❖ 60% of new jobs in the 21st century will be in STEM fields
- ❖ STEM careers will grow by 17% by 2018, double the rate of the overall workforce
- ❖ Only 20% of US current workforce have the skills necessary to enter those fields
- ❖ Underserved populations are disproportionately being left behind in STEM education

*National Commission on Mathematics and Science for the Twenty-first Century
US Department of Commerce Economics and Statistics Administration*

The STEM Education *Need*

“Being competent in STEM fields at the end of secondary school is the modern equivalent of being literate and numerate in the 19th Century.” –

Michael Teitelbaum, Senior Research Associate

Labor and Worklife Program at Harvard Law School

Author of *Falling Behind? Boom, Bust, and the Global Race for Scientific Talent*

The STEM Education *Need*

Eleanor Smalley

President and CEO, JASON Learning



Discussion

1. What role schools can play in helping students take interest in STEM careers.
2. How school leaders can foster children's interest in STEM related fields of study.
3. Suggestions on how policy and practice can encourage children and adults to pursue STEM-related fields of study and careers.



H.D. Chambers,
superintendent,
Alief Independent School
District, Alief, Texas



Matt Montgomery,
superintendent,
Revere Local Schools,
Richfield, Ohio

Q & A

1. What role schools can play in helping students take interest in STEM careers.
2. How school leaders can foster children's interest in STEM related fields of study.
3. Suggestions on how policy and practice can encourage children and adults to pursue STEM-related fields of study and careers.



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STEM Leadership Consortium With AASA And JASON



Mort Sherman,
AASA Associate Executive Director



The importance of STEM is more important than ever. For example, STEM occupations are projected to grow by 17 percent from 2008 to 2018, compared to 9.8 percent growth for non-STEM occupations.

As educational leaders work hard to find balance in the school lives of our students, the imperative and opportunities are clear. By working together, we can learn and take action at local and national levels.

AASA, The School Superintendents Association, in cooperation with JASON Learning invite you to join its inaugural STEM Leadership Collaborative. H.D. Chambers, superintendent of Alief Independent School District, Texas, and Matt Montgomery, superintendent of Revere Schools, Ohio, will serve as Chairs of the group. The purpose of this collaborative is to develop a cadre of STEM focused school leaders who understand the complexity of School culture and the urgency of increasing student interest in STEM fields.

Our first step is to convene a group of school leaders interested in expanding STEM interest among students in their school districts on the following dates:

- Informational Webinar - Dec. 3, 2015 at 10:00 a.m. (ET). [Register here.](#)
- Initial Meeting - Feb. 10, 2016 (Phoenix, Ariz.)
- National Conference on Education Session - Feb. 12, 2016 at 2:45 p.m.
- Fall Planning Meeting - Apr., 2016 (West Virginia)



Thank you

Visit: <http://www.aasa.org/stem-consortium.aspx> to learn more about the AASA and Jason Partnership

