

# Reforming High School

11 a.m. – 12 p.m.  
Room: Independence

**NATIONAL  FORUM**  
**ON EDUCATION POLICY**

Your education policy convening.

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#ECSNF19



**EDUCATION COMMISSION**  
OF THE STATES

APRIL 2019

# How Aligned is Career and Technical Education to Local Labor Markets?

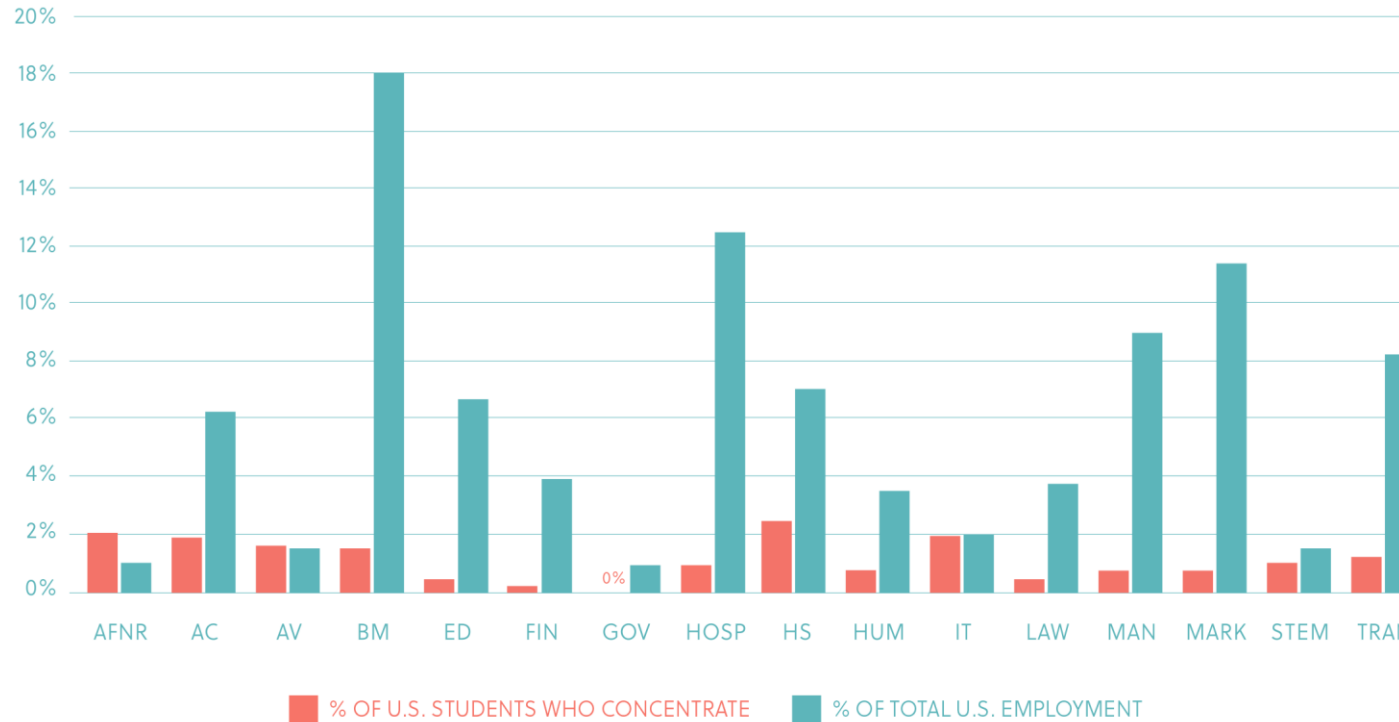


THOMAS B.  
**FORDHAM**  
INSTITUTE  
ADVANCING EDUCATIONAL EXCELLENCE

By Cameron Sublett and David Griffith

Foreword and Executive Summary by Amber M. Northern and Michael J. Petrilli

FIGURE 4 Only two fields have concentration rates that exceed their national employment shares.



**AFNR** Agriculture, Food & Natural Resources

**AC** Architecture & Construction

**AV** Arts, A/V Technology & Communications

**BM** Business Management & Administration

**ED** Education & Training

**FIN** Finance

**GOV** Government & Public Administration

**HS** Health Science

**HOSP** Hospitality & Tourism

**HUM** Human Services

**IT** Information Technology

**LAW** Law, Public Safety, Corrections & Security

**MAN** Manufacturing

**MARK** Marketing

**STEM** Science, Technology, Engineering & Mathematics

**TRAN** Transportation, Distribution & Logistics

MARYLAND COMMISSION ON  
INNOVATION &  
EXCELLENCE IN  
EDUCATION



# A new vision for 11<sup>th</sup> and 12<sup>th</sup> grades

Students who meet a College and Career Readiness standard in English and math at the end of the 10<sup>th</sup> grade can pursue, in 11<sup>th</sup> and 12<sup>th</sup> grades:

1. The International Baccalaureate Diploma program, the Cambridge International Diploma program, or a sequence of Advanced Placement(AP) courses leading to an AP Diploma;
2. A dual-enrollment program to earn college credits while in high school, with the possibility of earning an associate's degree along with or subsequent to high school graduation;
3. Redesigned Career and Technical Education pathways that include workplace training and lead to industry-recognized credentials, including postsecondary certificates earned through dual enrollment; and
4. A combination of these options.

*For students who do not meet the CCR standard by the end of tenth grade...*

State and local school districts will develop eleventh and twelfth grade programs to meet the CCR standard by the end of twelfth grade, including:

- programs with more project-and program-based courses,
- summer instruction following tenth grade,
- assignment of a teacher as the student's case manager, and
- priority access to an enhanced career counseling system.

# With regards to workforce and life...

*not important*    *somewhat important*    *important*    *very important*

College and Career Readiness Commission  
*American Association of Community Colleges*  
*The School Superintendents Association*

- 7<sup>th</sup> / 8<sup>th</sup> grade math/literacy
- College-prep math/literacy
- Problem solving
- Self-efficacy
- Persistence
- Attention-to-detail
- Independent learning
- Collaboration
- Oral communication

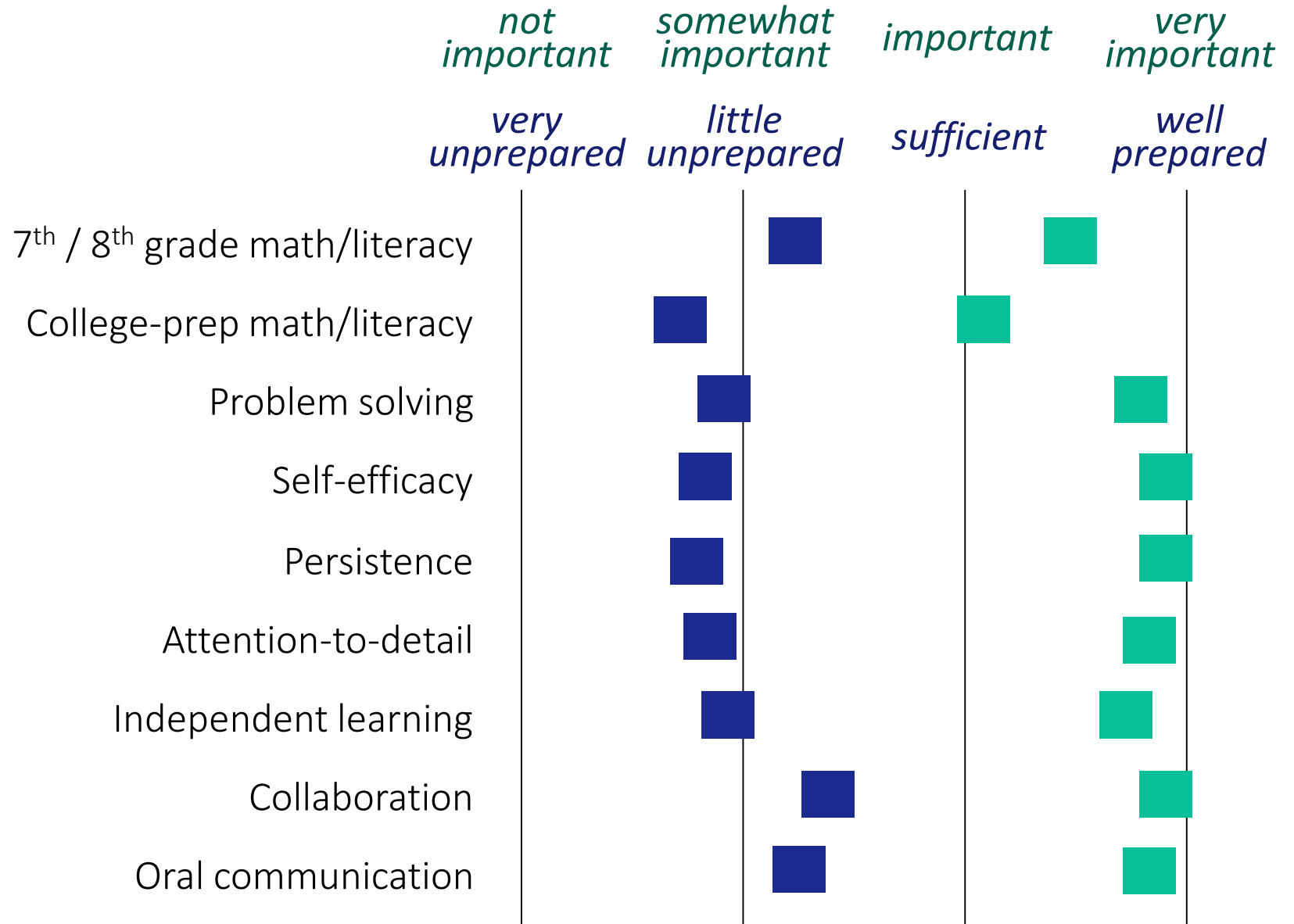


## With regards to workforce and life...

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### HS time in career guidance



### HS quality of career guidance

