

CARNEGIE | INSTITUTE  
CORPORATION OF | FOR ADVANCED  
NEW YORK | STUDY

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Commission on Mathematics  
and Science Education

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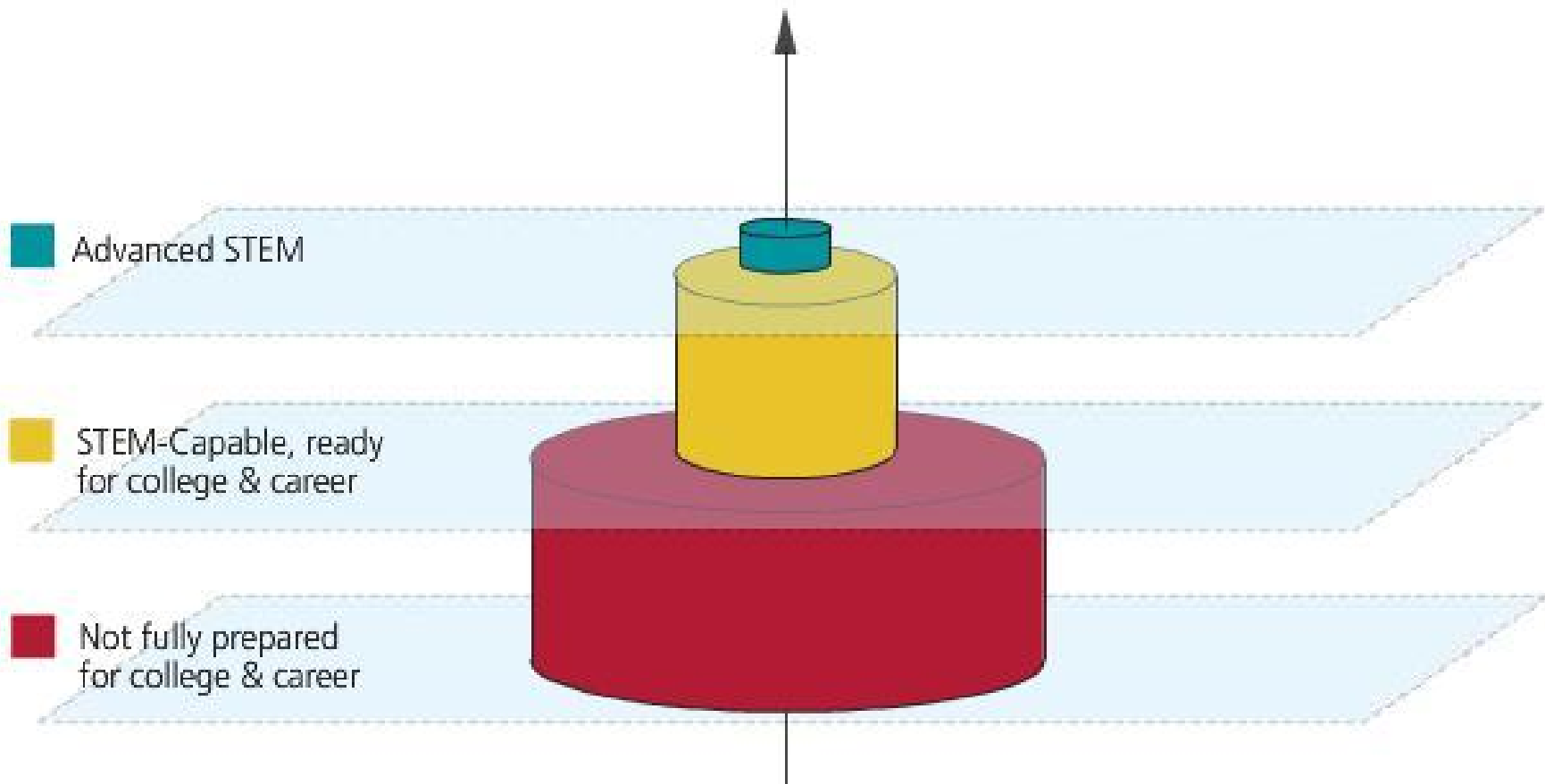
## The National Academies Board on Science Education

Core Ideas and Science Standards: Stakeholder Meeting  
October 12, 2009

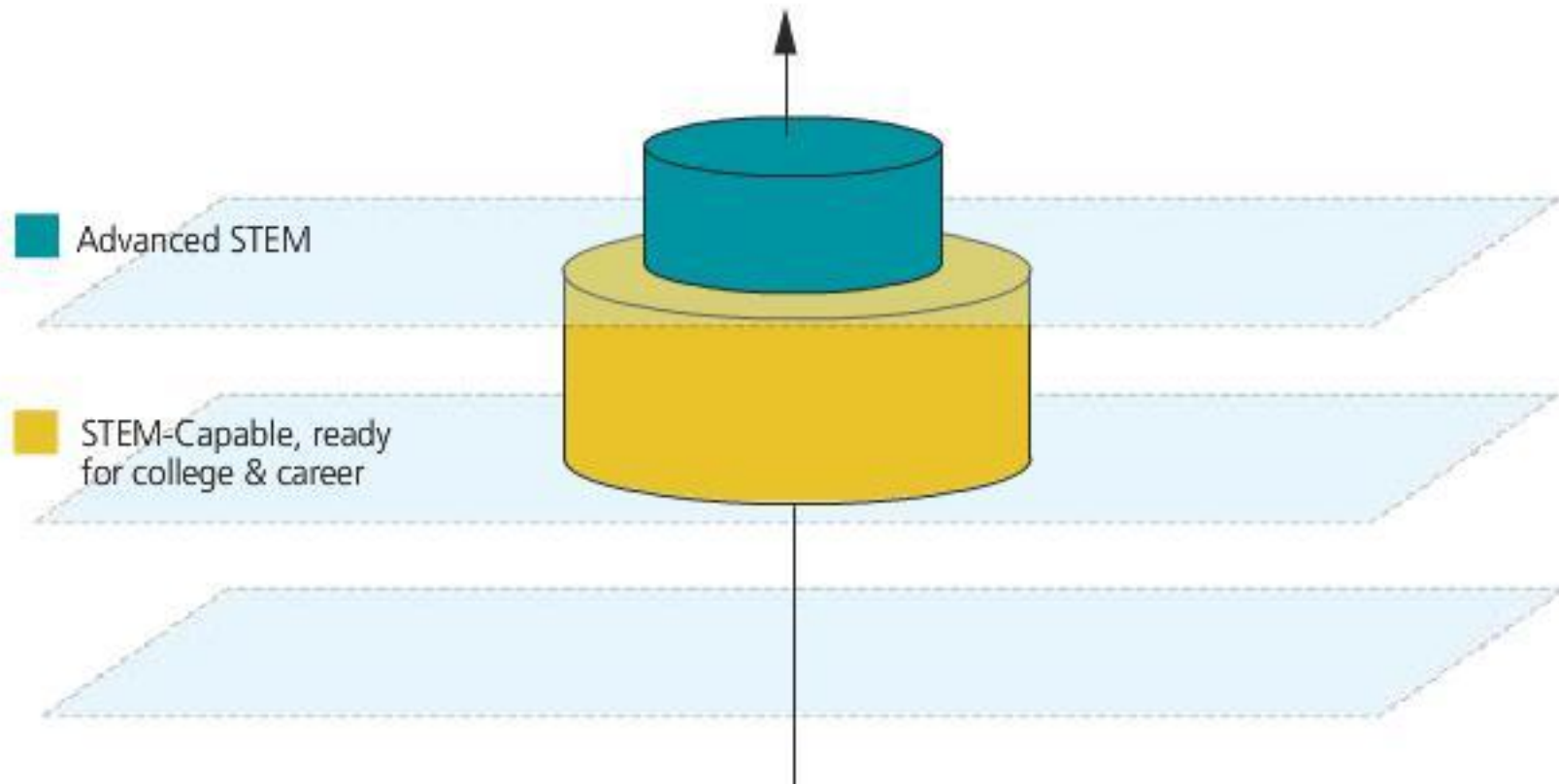
*The call for fewer, higher and clearer standards: Opportunities and barriers*

Andrés Henríquez, Program Officer, Carnegie Corporation of NY

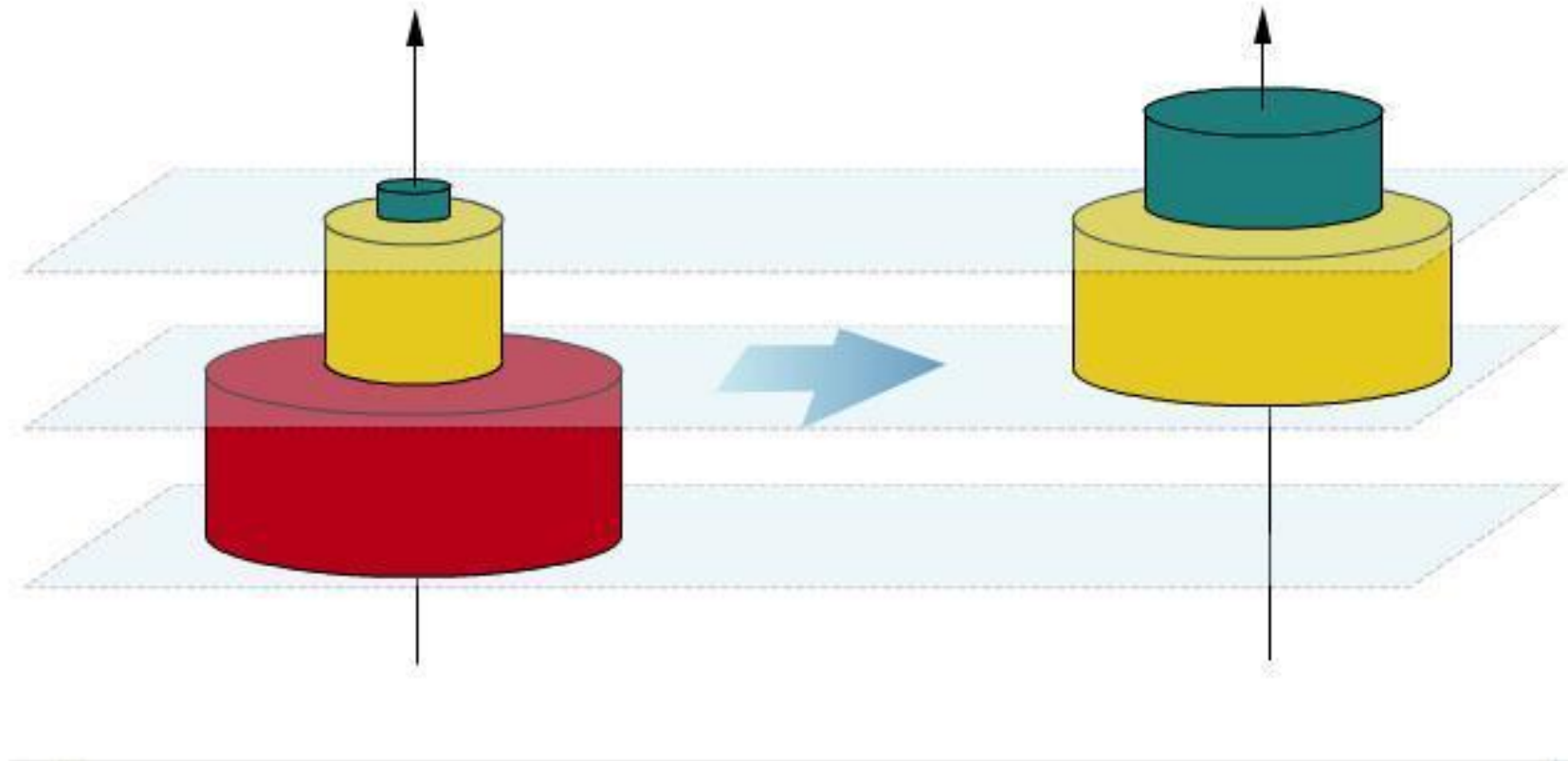
Today, too few students get the preparation they need for the challenges of postsecondary education and an innovation- and knowledge-based global economy.



## Student Attainment in a Transformed U.S. Educational System

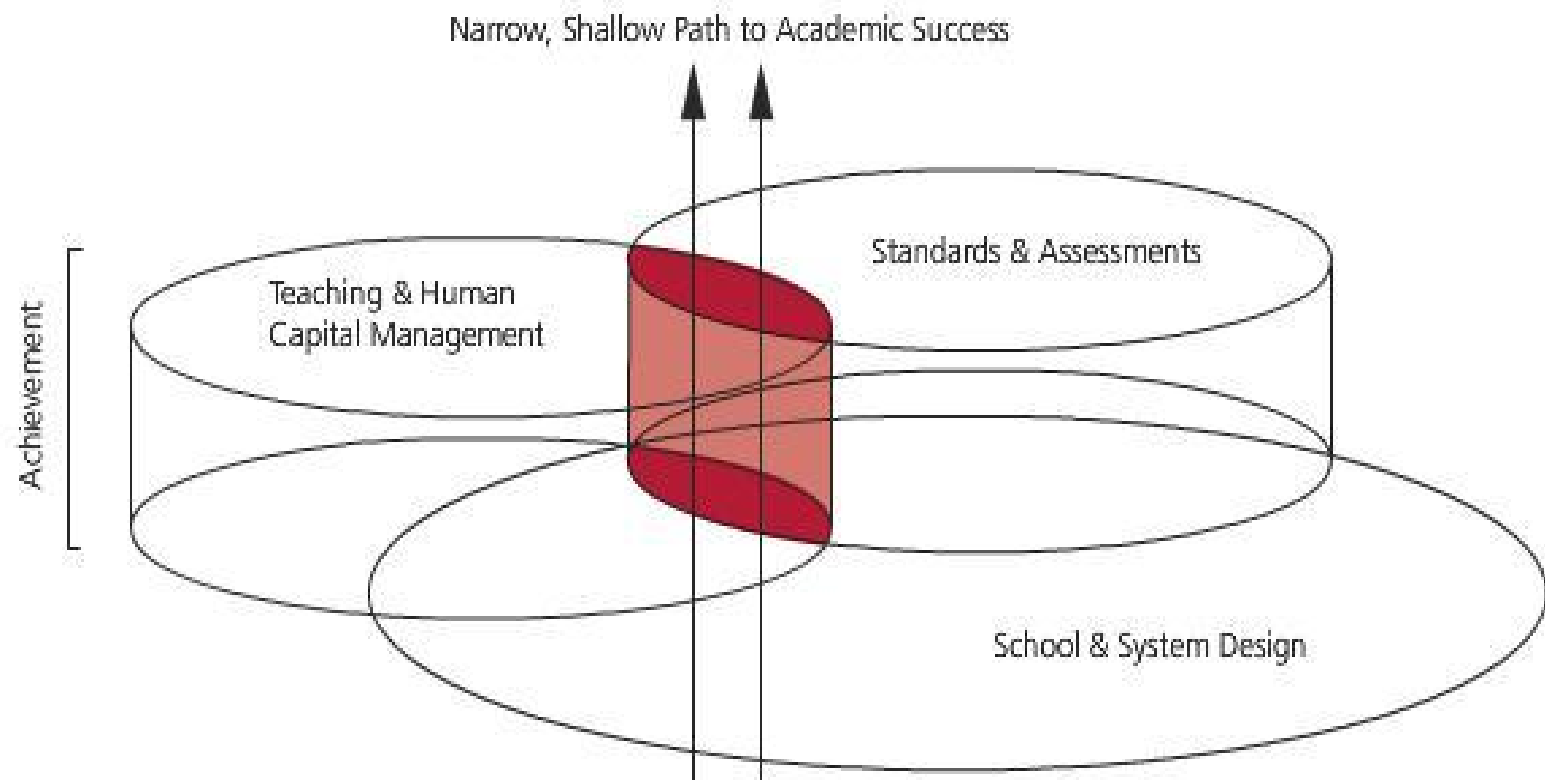


## Goal: Much Higher Levels of Mathematics & Science Learning for American Students

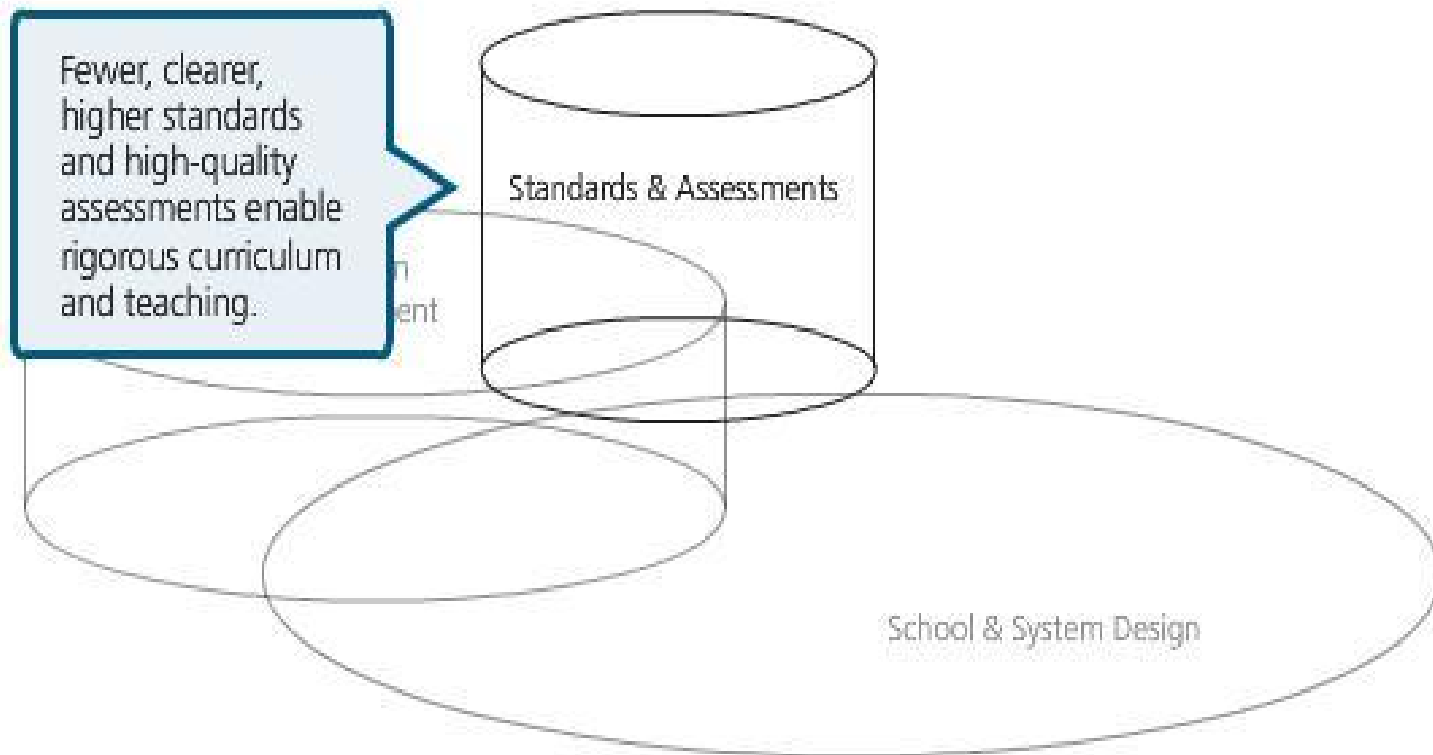


## Misaligned Components of the Current U.S. Educational System.

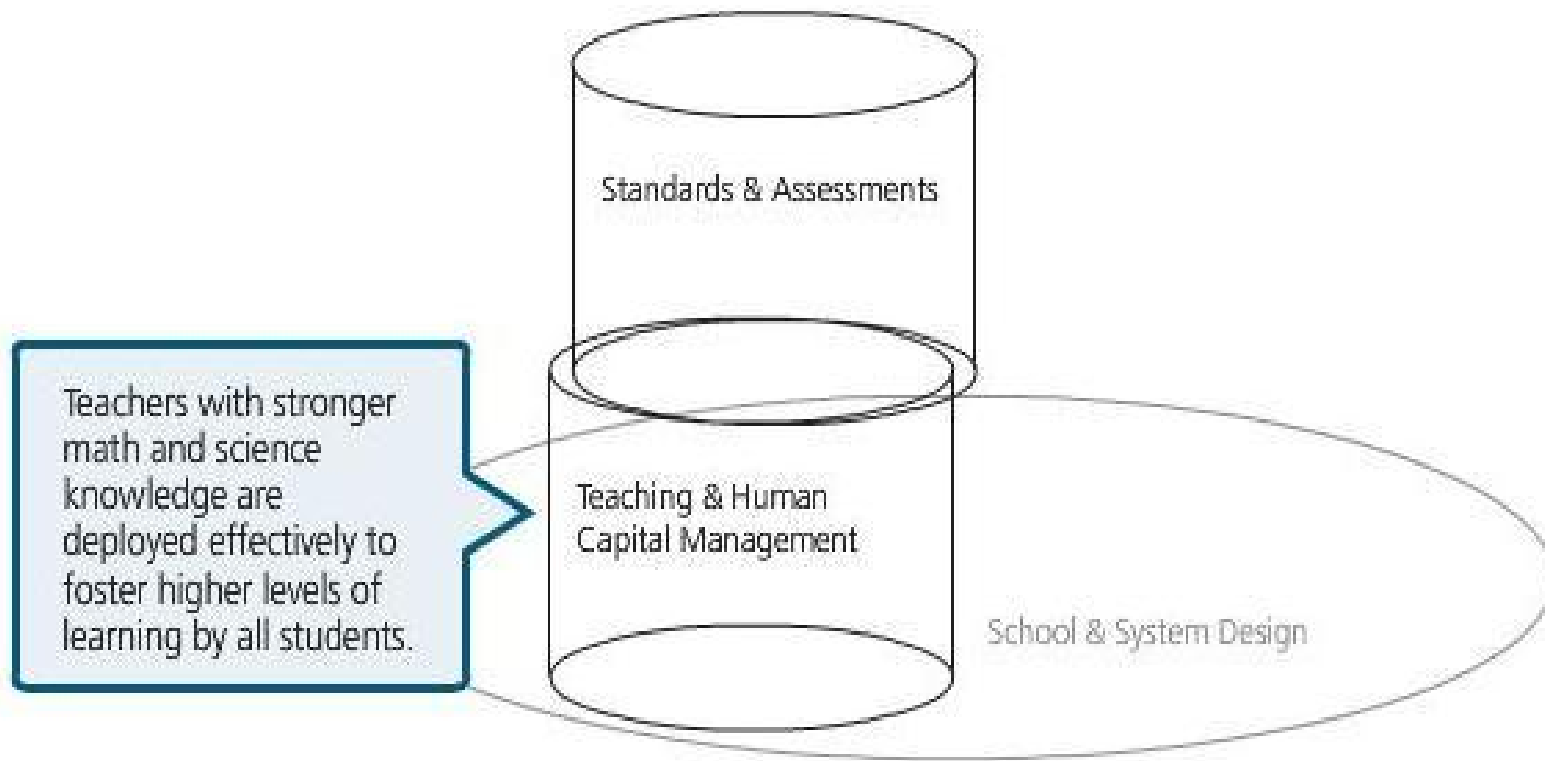
Relatively few American students attend schools where all the major components—curriculum, teaching, and school design—line up to serve all students well.



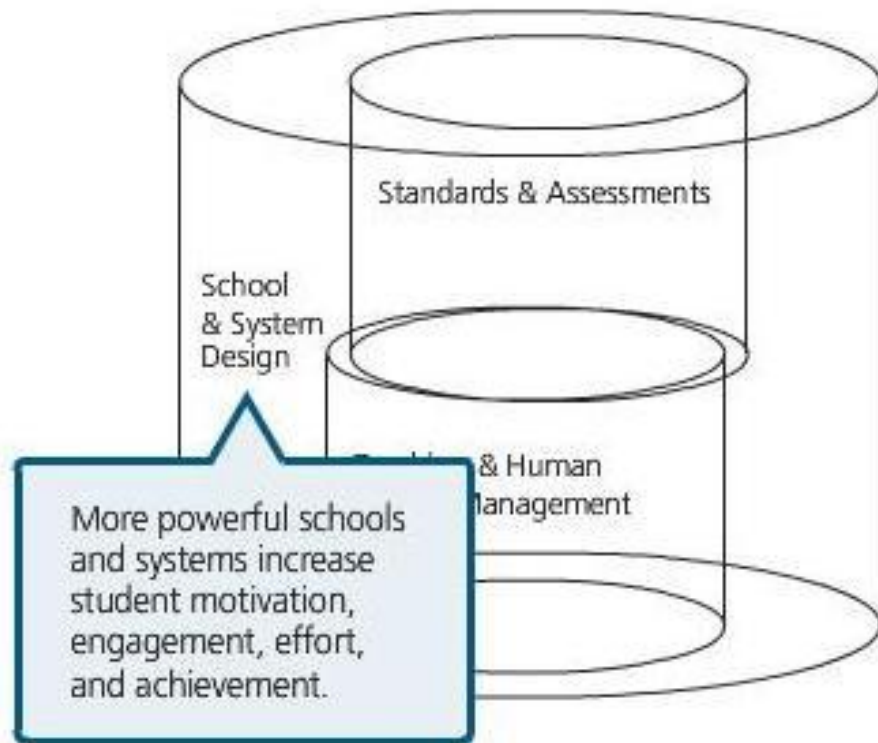
Schools and districts would then get the support they need to improve instruction,



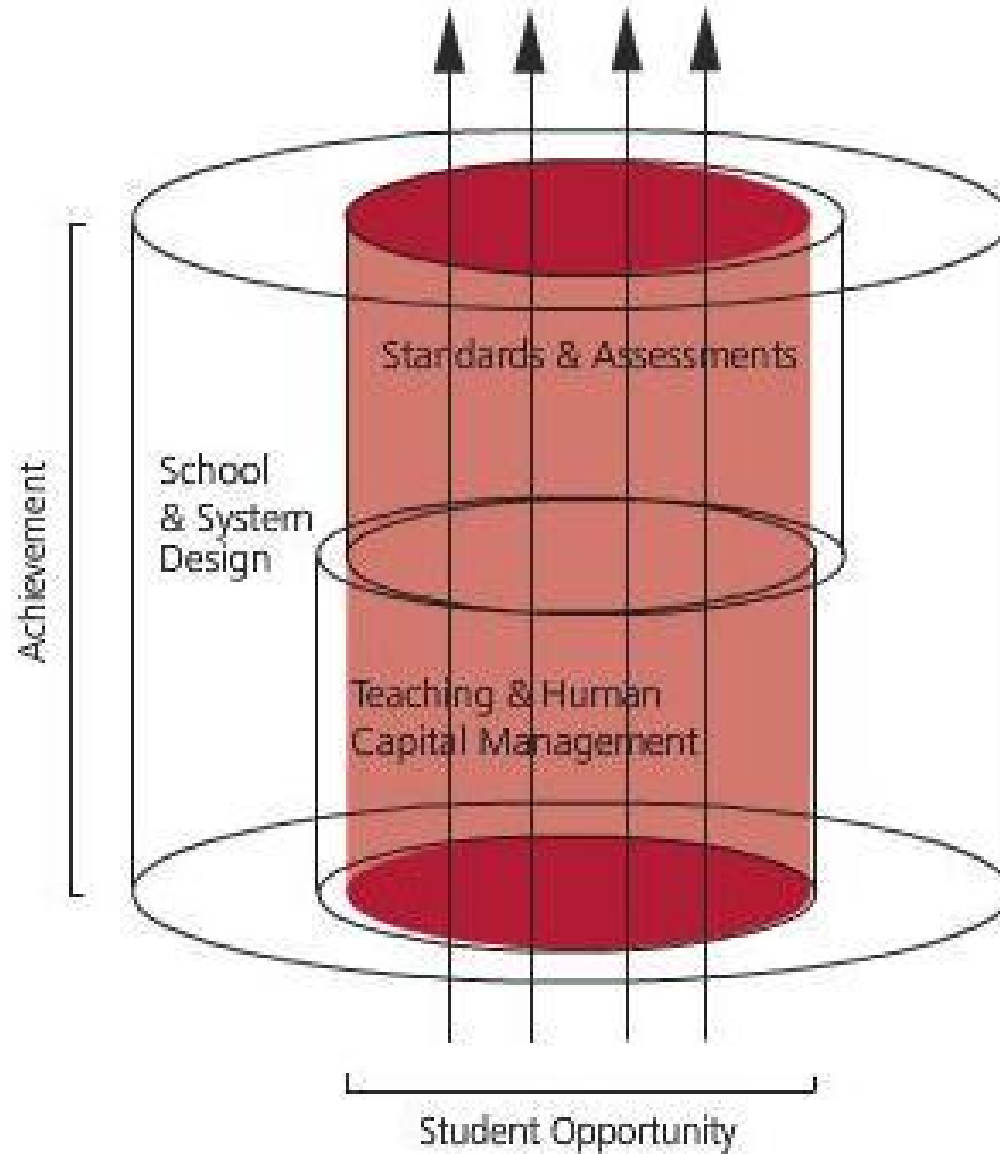
raise teacher performance, and implement new designs and innovations



—thus providing many more students with opportunities for academic success.



Broad, Deep Path to Academic Success



# Commission Members

- Phillip A. Griffiths (chair)
- Michele Cahill (co-chair)
- Bruce M. Alberts
- Larry Berger
- Donald L. Carcieri
- Ralph J. Cicerone
- Rudolph F. Crew
- Norman C. Francis
- Richard B. Freeman
- Ellen V. Futter
- Louis V. Gerstner, Jr.
- Neil R. Grabois
- Vartan Gregorian (Ex officio)
- James B. Hunt Jr.
- Susanna Loeb
- Thomas W. Payzant
- Thomas F. Taft, Sr.
- Philip Uri Treisman
- Katherine E. Ward
- Gene Wilhoit
- Suzanne M. Wilson
- Gary A. Ybarra

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