

2016 Student Success Conference: Growth Mindset

Applying Mindset to Teaching & Learning

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I'm not a science person.

I'm not a writer.

I'm not a math person.



The Myth of “I’m Bad at Math”

Miles Kimball & Noah Smith

– Oct. 28th, 2013

“Different kids with different levels of preparation come into a math class. Some of these kids have parents who have drilled them on math from a young age, while others never had that kind of parental input.”



The Myth of 'I'm Bad at Math'

HS

1. China
2. Singapore
3. Hong Kong
4. Korea

16. Germany

26. Sweden
31. United States

The Myth of 'I'm Bad at Math'

4th Grade

1. Singapore
2. Korea
3. Hong Kong

11. United States

16. Germany

26. Sweden

HS

1. China
2. Singapore
3. Hong Kong
4. Korea

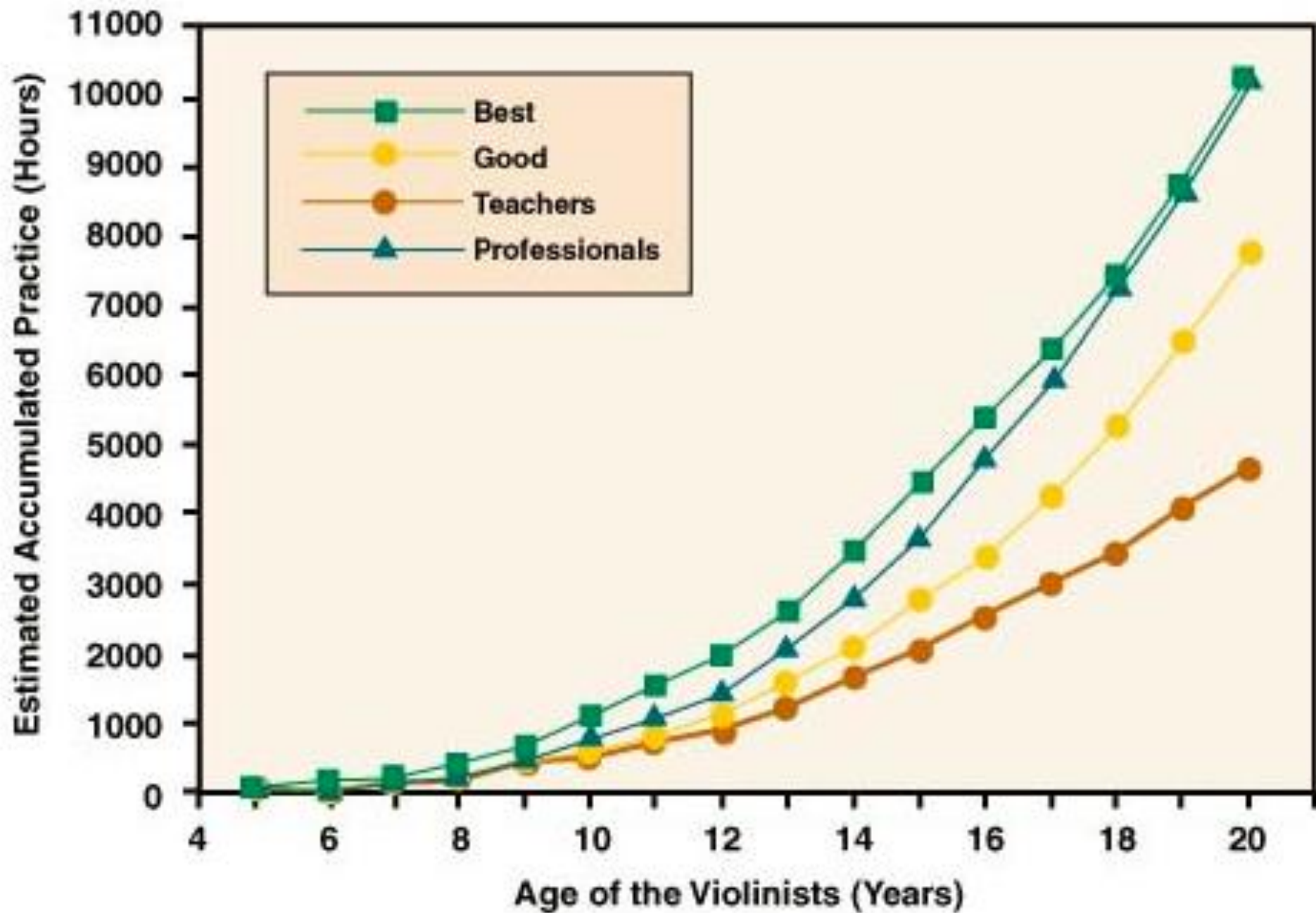
16. Germany

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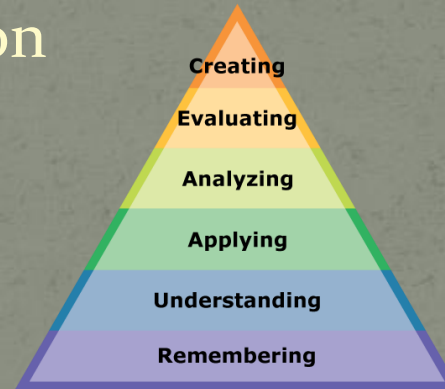
There were students at a music school...

- Music students deemed “the best”
- Music students deemed “good”
- Music students studying to be music teachers



Evidence-based study strategies

- Time on Task – distributed studying
 - Your brain is like a muscle
- Superb note-taking
 - Copious
 - Then digestion/organization
 - Digital Pen
- Memorization of facts
- Self-testing...esp. with feedback
 - Group studying
- Sleeping
- Exercise
- Positivity



Fostering growth mindset...

- explicitly teach growth mindset concept
- share examples/data which support this concept
- prove it to themselves
 - keys to success: time on task & study strategies