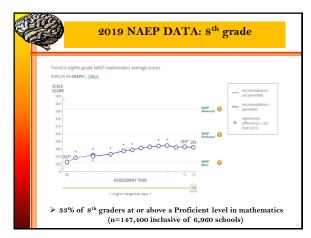


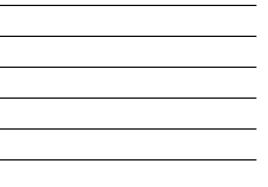


	<u>State by State C</u>	Comparison of Scores	
Highest States	>Proficient	Lowest States	>Profici
Minnesota	53%	Alabama	28%
Massachusetts	50%	New Mexico	29%
New Jersey	48%	Louisiana	29%
Virginia	48%	West Virginia	30%
Wyoming	48%	Alaska	33%
Florida	48%	Arkansas	33%
Pennsylvania	47%	California	34%
Indiana	47%	Washington DC	34%
Utah	46%	Nevada	34%





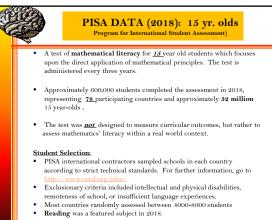
State by Stat	te Comparison of Scor	res
>Proficient	Lowest States	>Proficien
47%	New Mexico	21%
44%	Alabama	21%
44%	Washington DC	23%
41%	Louisiana	23%
40%	West Virginia	24%
39%	Mississippi	24%
39%	Oklahoma	26%
39%	Nevada	26%
38%	Arkansas	27%
38%	Hawaii	28%
	>Proficient 47% 44% 44% 41% 40% 39% 39% 39% 39% 39% 38%	 >Proficient Lowest States 47% New Mexico 44% Alabama 44% Washington DC 41% Louisiana 40% West Virginia 39% Mississippi 39% Oklahoma 39% Nevada 38% Arkansas



Why Such Low Scores?

- > Downward extension of the curriculum.
- Lack of consistency in how math is taught across districts nationwide.
- > Teacher training between elementary and high school level.
- > Lack of interventions in mathematics as opposed to reading interventions.
- Block scheduling limitations.
- > The AP dilemma?? We teach to the test and not for mastery.

10



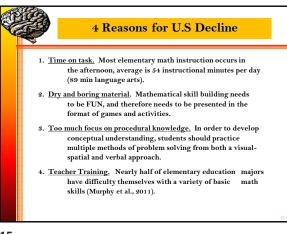
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PISA DATA (2018) Data Released: Decembe	: 15 yr. olds r 3 rd , 2019
Country	Average Score
International Average	489
1. B-S-J-Z China (Beijing, Shanghai, Jiangsu, and Zhej	iiang) 591
2. Singapore	569
3. Macao-China	558
4. Hong Kong (China)	551
5. Chinese Taipai	531
6. Japan	527
7. Korea	526
8. Estonia	523
9. Netherlands	519
10. Poland	516
11. Switzerland	515
12. Canada	512
13. Denmark	509
14. Slovenia	509
15. Belgium	508
16. Finland	507
17. Sweden	502
18. United Kingdom	502
19. Norway	501
20. Germany	500

Country	A 6
International Average	Average Score 489
21. Ireland	500
22. Czech Republic	499
23. Austria	499
24. Latvia	496
25. France	495
26. Iceland	495
27. New Zealand	494
28. Portugal	492
29. Australia	491
30. Russia	488
31. Italy	487
32. Slovak Republic	486
33. Luxembourg	483
34. Spain	481
35. Lithuania	481
36. Hungary	481

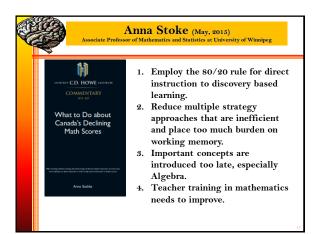


PISA DATA (2 Data Released	2018): 15 yr. olds December 3 rd , 2019
Country	Average Score
International Average	489
37. UNITED STATES	478 (477 in 2015/40 th)
38. Belarus	472
39. Malta	472
40. Croatia	464
41. Israel	463
42. Turkey	454
43. Ukraine	453
44. Greece	451
45. Cyprus	451
46. Serbia	448
47. Malaysia	440
48. Albania	437
49. Bulgaria	436
50. United Arab Emirates	435
78. Dominican Republic	325

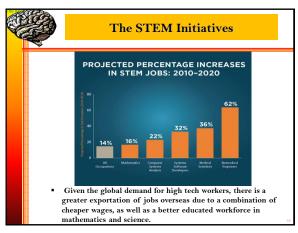


PISA 20	03-2012 - Res			nathematic	s – Canada 20			012
	Average	SE	Average	S.E.with linking error*	Average	S.E.with linking error*	Average	S.E. with linking error*
Canada	532	1.8	527	2.4	527	2.6	518	2.7
Newfoundland and Labrador	517	25	507	2.8	503	3.4	490	4.2
Prince Edward Island	500	2	501	2.7	487	3.0	479	3.2
Nova Scotia	515	22	506	2.7	512	3.0	497	4.5
New Brunswick	512	1.8	506	2.5	504	3.0	502	3.2
Quebec	537	4.7	540	4.4	543	3.9	536	3.9
Ontario	530	3.6	526	3.9	526	3.8	514	4.5
Manitoba	528	3.1	521	3.6	501	4.1	492	3.5
Saskatchewan	516	3.9	507	3.6	506	3.8	506	3.6
Alberta	549	43	530	4.0	529	4.8	517	5.0
British Columbia	538	2.4	523	4.6	523	5.0	522	4.8

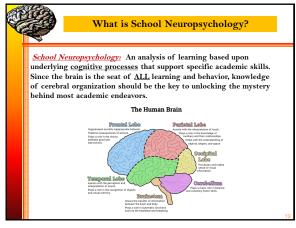


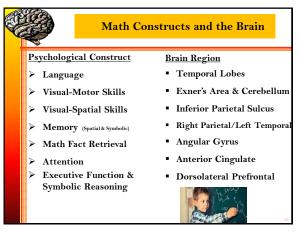


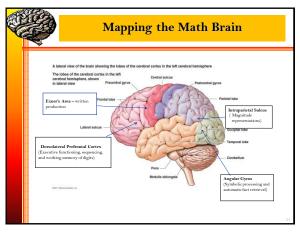




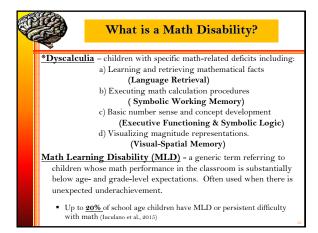


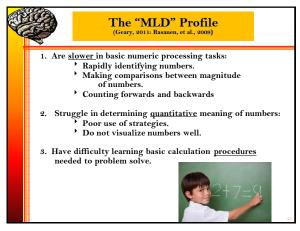


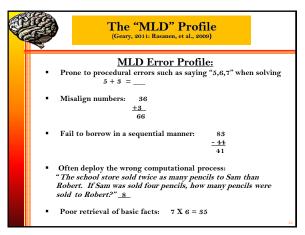






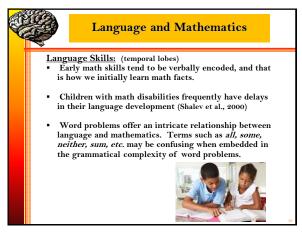


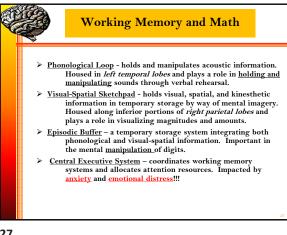


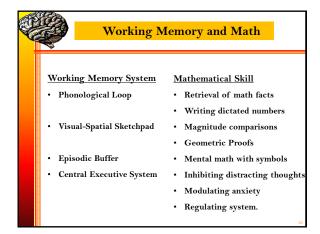




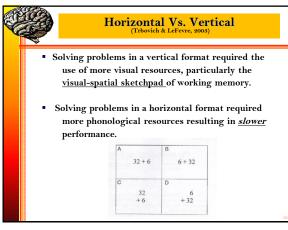


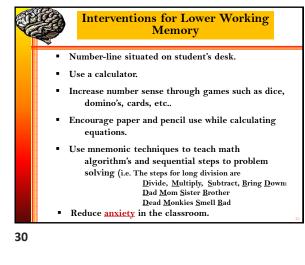




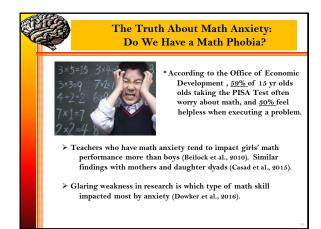


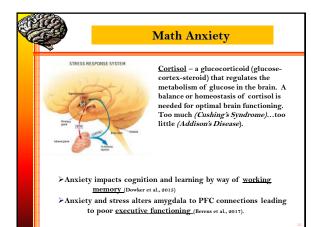


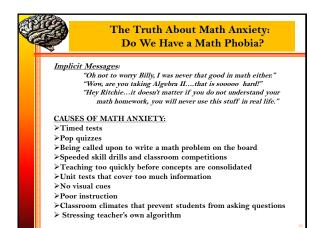


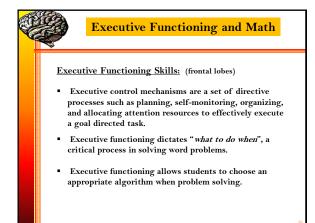


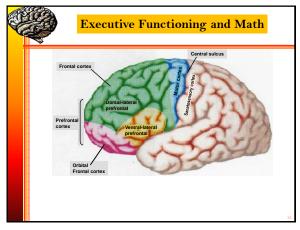


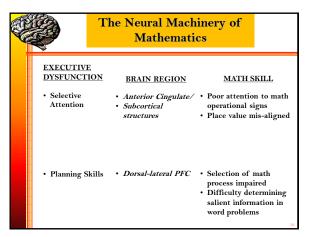














Exect	utive Functionin	ng and Math
EXECUTIVE DYSFUNCTION	BRAIN REGION	MATH SKILL
• Organization Skills	• Dorsal-lateral PFC	 Inconsistent lining up math equations Frequent erasers Difficulty setting up problems
• Self-Monitoring	• Dorsal-lateral PFC	 Limited double-checking of work Unaware of plausibility to a response.
Cues Pattern Recognition	• Dorsal-lateral PFC	• Symbolic reasoning



