

Why West Virginia *math 4 life?*

Providing Opportunities

Participant's Workbook





**West Virginia Board of Education
2019-2020**

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Goals

- » Redefine what math is.
- » Understand why we need to create mathematically literate students.
- » Discuss the role of “The Opportunity Myth” in our need to create mathematically literate students.

Agenda

<i>Focus</i>	<i>Agenda Items</i>
Launch	<ul style="list-style-type: none">» Welcome» Goals» Agenda
Explore	<ul style="list-style-type: none">» What is Math?» Why do we need mathematically literate students?» What role does “The Opportunity Myth” play in creating mathematically literate students?
Summarize	<ul style="list-style-type: none">» Reflection

What is Math?

Teachers

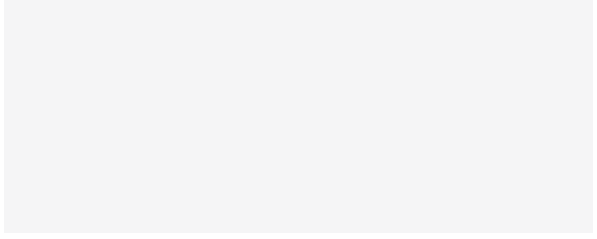
Students

Why Do We Need Mathematically Literate Students?

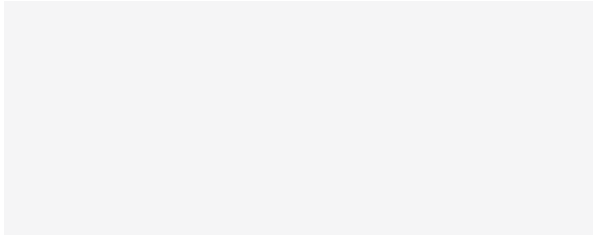
Slide

Reflection

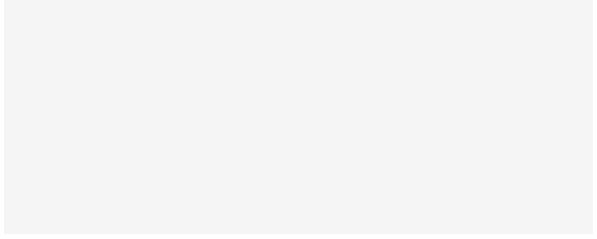
Hidden Figures

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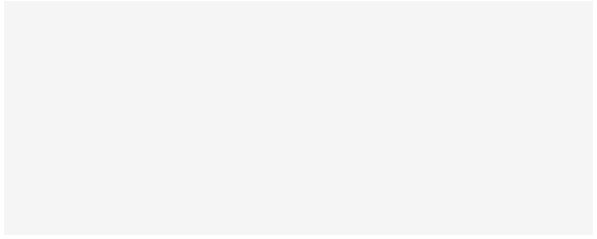
Employer Needs

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Automation Videos

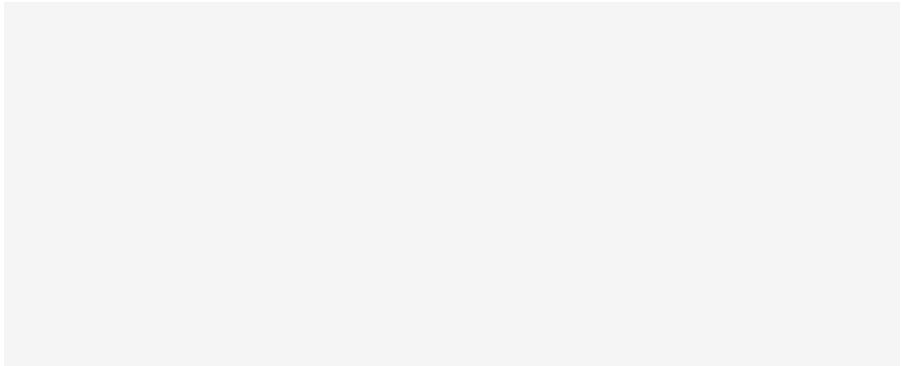
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Shepherd Video

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Why Do We Need Mathematically Literate Students?

Skills in 2015		How would you rank these skills in 2020?
2015 Ranking	Skill	
1	Complex Problem Solving	
2	Coordinating with Others	
3	People Management	
4	Critical Thinking	
5	Negotiation	
6	Quality Control	
7	Service Orientation	
8	Judgement and Decision Making	
9	Active Listening	
10	Creativity	



The Opportunity Myth

Grade-Appropriate Assignments	Strong Instruction
Deep Engagement	High Expectations

Reflection

Why do we need to create mathematically literate students?

How does “The Opportunity Myth” inform our need to create mathematically literate students?



W. Clayton Burch
West Virginia Superintendent of Schools