#Each**Child**Our**Future** 

## **Ohio Math Initiative**





# **Advisory Council Update**

- Creating a position statement of support for the pathways.
- Continue discussing equity
- Mapping out communication plans



## **Architects Update**

**Concise Definition of Rigor:** Students use mathematical language to effectively communicate their strategies with clarity and precision. Students explain how, when and why their reasoning is appropriate, thereby answering the question, "How do we know?"

\*They also have a chart that they made.





Just Equations' report, The Mathematics of Opportunity: Re-Thinking the Role of Math in Education Equity





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Note: Districts may offer one or more courses.

## Process





## Timeline

## Fall 2020

- Course Development
- Apply for 2021 QR and DSF pilot (November).

### Fall 2021

- Guidance about Algebra 2 equivalency courses and pathways is posted.
- QR and DSF are piloted.
- CSDM is pre-piloted.
- Apply for 2022 QR, DSF, and CSDM pilots (November).

## Fall 2022

- Schools implement pathways and Algebra 2 equivalency courses.
- Pilots are expanded in phases across the state.



#### How do we Who will **MMR** Pilot ensure rigor take this İS course? maintained? Curriculum is being modified with target student in mind? Less linear Future Greater More functions Conversat More ACT/SAT financial Integrate and more advanced ion: Align Excel alignment lessons advanced statistical lessons to (college Credential (career functions QR concepts focus) focus) (college careers? bound)



## **Quantitative Reasoning Pilot**



Ohio

## **Selected Schools**



	Rural		Small Town		Suburban		Urban		Other	Total
Typology	1	2	3	4	5	6	7	8		
NW	1		1	3		1				6
NE	1	1		1	3	1	2	3	1	13
с		2		1				4	2	9
sw	1		3	2	3	2	1	1		13
SE	2	2		1					1	6
Total	5	5	4	8	6	4	3	8	4	47
Total Schools	10		12		10		11		4	
Summary	Cohort 18: 3 Schools; Cohort 19: 17 Schools; Cohort 20: 27 Schools									

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## Where to Apply for QR Pilot? Apply in November!



http://education.ohio.gov/Topics/L earning-in-Ohio/Mathematics/Resources-for-Mathematics/Mathematics-Modeling-and-Reasoning-Course-Pilot



## Data Science Found

Plan to Pilot Fall 2021

The Data Science Foundations course is anticipating using a modified version of UCLA's *Introduction to Data Science* (IDS) curriculum that is modified for Ohio's students. It teaches students to reason with, and think critically about, data in all forms. The Ohio Learning Standards for Mathematics (OLS) relevant to data science are taught along with the data demands of good citizenship in the 21st century. Additionally, the course provides access to rigorous learning that fuses mathematics with **computer** science through the use of R/RStudio, an open-source programming language/environment that has long been the standard for academic statisticians and analysts in industry. The course directly addresses Ohio's High School Statistics and Probability and Modeling standards.



# Where to Apply for Data Science Foundations Pilot?



# Information Coming in November 2020!

