DEMS Virtual Learning Plan
Grade 7 Math / Science

20-21, Trimester 2, February 21					
	Sunday	Monday	Tuesday	Wednesday	Thursday
Math	**Goal :** Solve two-step equations with rational numbers. **Targets :** **7.EE.B.4.A —** Solve word problems leading to equations of the form px + q = r and p(x + q) = r, where p, q, and r are specific rational numbers. Solve equations of these forms fluently. Compare an algebraic solution to an arithmetic solution, identifying the sequence of the operations used in each approach. **Activities :** Solve 2-step equations with rational numbers using addition, subtraction, multiplication, or division. Write and solve 2-step equations for contextual situations.	**Goal :** Solve two-step equations with rational numbers. **Targets :** **7.EE.B.4.A —** Solve word problems leading to equations of the form px + q = r and p(x + q) = r, where p, q, and r are specific rational numbers. Solve equations of these forms fluently. Compare an algebraic solution to an arithmetic solution, identifying the sequence of the operations used in each approach. **Activities :** Solve 2-step equations with rational numbers using addition, subtraction, multiplication, or division. Write and solve 2-step equations for contextual situations.	**Goal :** Solve word problems leading to equations in the forms px + q = r and p(x + q) = r **Targets :** **7.EE.B.4.A —** Solve word problems leading to equations of the form px + q = r and p(x + q) = r, where p, q, and r are specific rational numbers. Solve equations of these forms fluently. Compare an algebraic solution to an arithmetic solution, identifying the sequence of the operations used in each approach. **Activities :** Write equations in the form px + q = r and p(x + q) = r to represent word problems. Solve equations using different approaches, including arithmetic approach and algebraic approach.	**Goal :** Solve word problems leading to equations in the forms px + q = r and p(x + q) = r **Targets :** **7.EE.B.4.A —** Solve word problems leading to equations of the form px + q = r and p(x + q) = r, where p, q, and r are specific rational numbers. Solve equations of these forms fluently. Compare an algebraic solution to an arithmetic solution, identifying the sequence of the operations used in each approach. **Activities :** Analyze real-world situations and identify important information needed to solve a problem. Create equations to model real-world applications and efficiently solve a problem	**Scorpion Day**

			Understand that $px + q = r$ can be solved in two different ways.		
Science	**Goal :** Make observations and ask questions that arise from careful observation of food-related phenomena that the class can investigate to explain how plants get matter and energy to make food molecules.

Targets : **MS-LS1-6:** Construct a scientific explanation based on evidence for the role of photosynthesis in the cycling of matter and flow of energy into and out of organisms.

Activities : List all the foods eaten in one day and where they come from.

Look at where Maple Syrup comes from and ingredients on food containers | **Goal :** Use google sheets and graphs to represent scientific data.

Targets : **Using mathematics and Computational Thinking:** Use mathematical representations to describe and/or support scientific conclusions and design solutions

Activities : Presentation by Mr Ham on How to Use sheets for graphs

Practice graphing skills | **Goal :** Ask questions that arise from careful observation of food-related phenomena that the class can investigate to explain how plants get matter and energy to make food molecules.

Targets : **MS-LS1-6:** Construct a scientific explanation based on evidence for the role of photosynthesis in the cycling of matter and flow of energy into and out of organisms.

Activities : Investigate what's in the foods we eat that come from plants by working in small groups to look up their nutrition labels.

Jamboard of Related Phenomena poster as a whole class. | **Goal :** Develop an initial model to describe the inputs of the system where plants get food molecules (matter).

Targets : **MS-LS1-6:** Construct a scientific explanation based on evidence for the role of photosynthesis in the cycling of matter and flow of energy into and out of organisms.

Activities : Develop an initial model of how plants get food molecules and where the food molecules come from. | |

			Analyze our class data to look for patterns in our findings.		

Google Meet	**7 BLUE** **Morning Meeting (ALL):** Time : 8-8:30 **Instruction / Small Group Appointments** Team : All Time : 8:30-9:15 Goal : Solve 2-step equations with rational numbers using addition, subtraction, multiplication, or division. Write and solve 2-step equations for contextual situations. **7 GOLD** **Morning Meeting (ALL):** Time : 8-8:30 **Instruction / Small Group Appointments** Team : All Time : 9:15-10 Goal : Solve 2-step equations with rational numbers using addition, subtraction, multiplication, or division. Write and solve 2-step equations	**7 BLUE** **Morning Meeting (ALL):** Time : 8-8:30 **Instruction / Small Group Appointments** Team : All Time : 12:30-1:15 Goal : Use google sheets and graphs to represent scientific data. **7 GOLD** **Morning Meeting (ALL):** Time : 8-8:30 **Instruction / Small Group Appointments** Team : All Time : 12:30-1:15 Goal : Use google sheets and graphs to represent scientific data. **7 WHITE** **Morning Meeting (ALL):** Time : 8-8:30 **Instruction / Small Group Appointments** Team : All	**7 BLUE** **Morning Meeting (ALL):** Time : 8-8:30 **Instruction / Small Group Appointments** Team : All Time : 8:30-9:15 Goal : Write equations in the form $px + q = r$ and $p(x + q) = r$ to represent word problems. Solve equations using different approaches, including arithmetic approach and algebraic approach. Understand that $px + q = r$ can be solved in two different ways. **7 GOLD** **Morning Meeting (ALL):** Time : 8-8:30 **Instruction / Small Group Appointments** Team : All Time : 9:15-10 Goal : Write equations in the form $px + q = r$ and $p(x + q) = r$	**7 BLUE** **Morning Meeting (ALL):** Time : 8-8:30 **Instruction / Small Group Appointments** Team : All Time : 12:30-1:15 Goal : Develop an initial model of how plants get food molecules and where the food molecules come from. **7 GOLD** **Morning Meeting (ALL):** Time : 8-8:30 **Instruction / Small Group Appointments** Team : All Time : 12:30-1:15 Goal : Develop an initial model of how plants get food molecules and where the food molecules come from.	

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Instruction / Small Group Appointments
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<u>Goal :</u>
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Write and solve 2-step equations for contextual situations.

7 GREEN
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<u>Time :</u>
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Instruction / Small Group Appointments
<u>Team :</u>
All
<u>Time :</u>
9:15-10
<u>Goal :</u>
Solve 2-step equations with rational numbers using addition, subtraction, multiplication, or division.

Write and solve 2-step equations

<u>Time :</u>
1:15-2
<u>Goal :</u>
Use google sheets and graphs to represent scientific data.

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8-8:30
Instruction / Small Group Appointments
<u>Team :</u>
All
<u>Time :</u>
1:15-2
<u>Goal :</u>
Use google sheets and graphs to represent scientific data.

Closing Circle & Office Hours:
<u>Time :</u>
2-2:30

to represent word problems.

Solve equations using different approaches, including arithmetic approach and algebraic approach.

Understand that $px + q = r$ can be solved in two different ways.

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Optional Extension Activities and Resources					