



DEMS Virtual Learning Plan

Grade 8 Math / Science

20-21, Trimester 1, September 13

	<u>Sunday</u>	<u>Monday</u>	<u>Tuesday</u>	<u>Wednesday</u>	<u>Thursday</u>
Math	<p>Goal: 8.EE.1: I can apply the properties of integer exponents to generate equivalent numerical expressions</p> <p>Targets: - Review students' knowledge of exponential expressions</p> <p>Activities: - Bingo game math review of properties of exponents - Practice of real-world applications of integer exponents</p>	<p>Goal: 8.EE.1: I can apply the properties of integer exponents to generate equivalent numerical expressions</p> <p>Targets: - Promote real-world applications of math concepts - Promote good self-study habits</p> <p>Activities: - Practice assessment on knowledge of exponential expressions, including real-world applications - Math notes and teacher slide review</p>	<p>Goal: 8.EE.1: I can apply the properties of integer exponents to generate equivalent numerical expressions</p> <p>Targets: - Formally assess students' knowledge of exponential expressions</p> <p>Activities: - Formal assessment on knowledge of exponential expressions</p>	<p>Goal: 8.EE.3: I can use numbers expressed in the form of a single digit times an integer power of 10 to estimate very large or very small quantities, and to express how many times as much one is than the other.</p> <p>Targets: - Promote math literacy - Promote good self-study habits - Introduce new topic of study</p> <p>Activities: - Asynchronous introduction to scientific notation</p>	Scorpion Day
Science	<p>Goal: MS-LS3-1: I can develop and use a model to describe why structural changes to genes (mutations) may affect proteins and may result in effects to the structure and function of the organism.</p>	<p>Goal: MS-LS3-1: I can develop and use a model to describe why structural changes to genes (mutations) may affect proteins and may result in effects to the structure and function of the organism.</p>	<p>Goal: MS-LS3-1: I can develop and use a model to describe why structural changes to genes (mutations) may affect proteins and may result in effects to the structure and function of the organism.</p>	<p>Goal: MS-LS3-1: I can develop and use a model to describe why structural changes to genes (mutations) may affect proteins and may result in effects to the structure and function of the organism.</p>	

	<p><u>Targets :</u></p> <ul style="list-style-type: none"> - Review prior knowledge of DNA structure, RNA, protein creation, and key unit vocabulary <p><u>Activities :</u></p> <p>Independent task:</p> <ul style="list-style-type: none"> -DNA video -DNA video guided notes -Define key vocabulary -Draw DNA structure 	<p><u>Targets :</u></p> <ul style="list-style-type: none"> -Introduce central theme of unit regarding DNA mutations and protein production <p><u>Activities :</u></p> <p>Whole class lesson:</p> <ul style="list-style-type: none"> - What types of gene mutations can occur? -How do gene mutations impact protein synthesis 	<p><u>Targets :</u></p> <ul style="list-style-type: none"> -Learn how to use technology to communicate effectively with a team -Develop background understanding of Argument-Driven Inquiry (ADI) proposal writing <p><u>Activities :</u></p> <p>Independent task:</p> <ul style="list-style-type: none"> - Review information on ADI proposal writing -Work with team in Google doc to begin proposal writing for Mutations Lab 	<p><u>Targets :</u></p> <ul style="list-style-type: none"> -Gain visual understanding of gene mutations <p><u>Activities :</u></p> <p>Whole class lesson:</p> <ul style="list-style-type: none"> - Lab: Work on lab with team! 	
Google Meet	<p>8 BLUE Morning Meeting (ALL):</p> <p><u>Time :</u> 8 - 8:30</p> <p>Instruction / Small Group Appointments</p> <p><u>Team :</u> Whole Class</p> <p><u>Time :</u> 8:30-9:15</p> <p><u>Goal :</u> Review math concepts</p> <p>8 GOLD Morning Meeting (ALL):</p> <p><u>Time :</u> 8 - 8:30</p> <p>Instruction / Small Group Appointments</p> <p><u>Team :</u> Whole Class</p>	<p>8 BLUE Morning Meeting (ALL):</p> <p><u>Time :</u> 8 - 8:30</p> <p>Instruction / Small Group Appointments</p> <p><u>Team :</u> Whole Class</p> <p><u>Time :</u> 12:45 - 1:20</p> <p><u>Goal :</u> Review science concepts</p> <p>8 GOLD Morning Meeting (ALL):</p> <p><u>Time :</u> 8 - 8:30</p> <p>Instruction / Small Group Appointments</p> <p><u>Team :</u> Whole Class</p>	<p>8 BLUE Morning Meeting (ALL):</p> <p><u>Time :</u> 8 - 8:30</p> <p>Instruction / Small Group Appointments</p> <p><u>Team :</u> Whole Class</p> <p><u>Time :</u> 8:30-9:15</p> <p><u>Goal :</u> Assess math concepts</p> <p>8 GOLD Morning Meeting (ALL):</p> <p><u>Time :</u> 8 - 8:30</p> <p>Instruction / Small Group Appointments</p> <p><u>Team :</u> Whole Class</p>	<p>8 BLUE Morning Meeting (ALL):</p> <p><u>Time :</u> 8 - 8:30</p> <p>Instruction / Small Group Appointments</p> <p><u>Team :</u> Whole Class</p> <p><u>Time :</u> 12:45 - 1:20</p> <p><u>Goal :</u> Introduce new science concepts</p> <p>8 GOLD Morning Meeting (ALL):</p> <p><u>Time :</u> 8 - 8:30</p> <p>Instruction / Small Group Appointments</p> <p><u>Team :</u> Whole Class</p>	

	<p><u>Time :</u> 9:15-10:00</p> <p><u>Goal :</u> Review math concepts</p> <p>8 GREEN Morning Meeting (ALL): <u>Time :</u> 8 - 8:30</p> <p>Instruction / Small Group Appointments <u>Team :</u> Whole Class <u>Time :</u> 9:15-10:00</p> <p><u>Goal :</u> Review math concepts</p> <p>8 WHITE Morning Meeting (ALL): <u>Time :</u> 8 - 8:30</p> <p>Instruction / Small Group Appointments <u>Team :</u> Whole Class <u>Time :</u> 8:30-9:15</p> <p><u>Goal :</u> Review math concepts</p> <p>ALL Closing Circle <u>Time :</u> 2:00-2:30</p> <p>Office Hours: <u>Time :</u> 2:30-3:30</p>	<p><u>Time :</u> 1:20-2:00</p> <p><u>Goal :</u> Review science concepts</p> <p>8 GREEN Morning Meeting (ALL): <u>Time :</u> 8 - 8:30</p> <p>Instruction / Small Group Appointments <u>Team :</u> Whole Class <u>Time :</u> 1:20-2:00</p> <p><u>Goal :</u> Review science concepts</p> <p>8 WHITE Morning Meeting (ALL): <u>Time :</u> 8 - 8:30</p> <p>Instruction / Small Group Appointments <u>Team :</u> Whole Class <u>Time :</u> 12:45-1:20</p> <p><u>Goal :</u> Review science concepts</p> <p>ALL Closing Circle <u>Time :</u> 2:00-2:30</p> <p>Office Hours: <u>Time :</u> 2:30-3:30</p>	<p><u>Time :</u> 9:15-10:00</p> <p><u>Goal :</u> Assess math concepts</p> <p>8 GREEN Morning Meeting (ALL): <u>Time :</u> 8 - 8:30</p> <p>Instruction / Small Group Appointments <u>Team :</u> Whole Class <u>Time :</u> 9:15-10:00</p> <p><u>Goal :</u> Assess math concepts</p> <p>8 WHITE Morning Meeting (ALL): <u>Time :</u> 8 - 8:30</p> <p>Instruction / Small Group Appointments <u>Team :</u> Whole Class <u>Time :</u> 8:30-9:15</p> <p><u>Goal :</u> Assess math concepts</p> <p>ALL Closing Circle <u>Time :</u> 2:00-2:30</p> <p>Office Hours: <u>Time :</u> 2:30-3:30</p>	<p><u>Time :</u> 1:20-2:00</p> <p><u>Goal :</u> Introduce new science concepts</p> <p>8 GREEN Morning Meeting (ALL): <u>Time :</u> 8 - 8:30</p> <p>Instruction / Small Group Appointments <u>Team :</u> Whole Class <u>Time :</u> 1:20-2:00</p> <p><u>Goal :</u> Introduce new science concepts</p> <p>8 WHITE Morning Meeting (ALL): <u>Time :</u> 8 - 8:30</p> <p>Instruction / Small Group Appointments <u>Team :</u> Whole Class <u>Time :</u> 12:45-1:20</p> <p><u>Goal :</u> Introduce new science concepts</p> <p>ALL Closing Circle <u>Time :</u> 2:00-2:30</p> <p>Office Hours: <u>Time :</u> 2:30-3:30</p>	
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Optional Extension Activities and Resources
