6th Grade Science Virtual Learning*

*The calendar below serves as a suggested timeline for 6th grade science but can be modified as necessary to meet the individual needs of each teacher's classroom schedule and full virtual vs. hybrid learning model.

Standard Focus	Monday	Tuesday	Wednesday	Thursday	Friday
					1.
	3.	4.	5.	6.	7.
	10.	11.	12.	13.	14.
	17.	18.	19.	20.	21.
Week 1 - Unit 1, Lesson 1 MS-ESS1-1 *Earth Sun Moon System*	24. Welcome back - Building relationships	25. Welcome back - Building relationships	26. **Engage:** Video and PIcs	27. **Explore:** Build Eclipse Model	28. **Explore:** Showcase Eclipse Model
Week 2 - Unit 1, Lesson 1 MS-ESS1-1 *Earth Sun Moon System*	30. **Explain:** Video with Questions	31. **Explain:** Achieve 3000: A Wonder in the Sky	1.	2.	3.

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	Read Works: Why Eclipses Happen				
September					
Standard Focus	Monday	Tuesday	Wednesday	Thursday	Friday
Week 2 (cont.) - Unit 1, Lesson 1 MS-ESS1-1 *Earth Sun Moon System*			1. Explain: Achieve 3000: A Wonder in the Sky	2. **Elaborate:** Eclipse Simulation	3. **Evaluate:** Google Form Quiz
Week 3 - Unit 1, Lesson 2 *MS-ESS1-2* *Gravitational Pull of Planets*	7. Labor Day	8. **Engage:** Animation Padlet	9. **Explore:** Demonstration with Flipgrid Google Classroom Response	10. **Explain:** Readworks: The MilkyWay Holt-PDF: Gravity and its role in the Galaxy	11. **Explain:** Readworks: The MilkyWay Holt-PDF: Gravity and its role in the Galaxy
Week 4 - Unit 1, Lesson 2 *MS-ESS1-2* *Gravitational Pull of Planets*	14. **Explain:** Achieve 3000: "Milky Ways in the	15. **Elaborate:** Simulation and Padlet Response	16. **Elaborate:** Poster with Planets orbiting-showing	17. **Evaluate:** Flipgrid- Showcasing your	18. **Evaluate:** Flipgrid- Showcasing your

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	Making"		Gravity	Poster and describing knowledge of gravity.	Poster and describing knowledge of gravity.
Week 5 - Unit 1, Lesson 3 MS-ESS1-3 Determining the Scale of the Solar System	21. **Engage:** Notice and Wonder	22. **Explore:** Drawing the Planets	23. **Explore:** Vastness of Space Exploration	24. **Explain:** Vastness of Space Interactive Site	25. **Explain:** Inner Planets- Holt PDF
Week 6 - Unit 1, Lesson 3 MS-ESS1-3 Determining the Scale of the Solar System	28. **Explain:** Outer Planets- Holt PDF	29. **Elaborate:** Planet Research	30. **Elaborate:** Work on Group Presentation	1.	2.
October					
Standard Focus	Monday	Tuesday	Wednesday	Thursday	Friday
Week 6 (cont.) - Unit 1, Lesson 3 MS-ESS-3 Determining the Scale of				1. **Evaluate:** Group Presentation	2. **Evaluate:** Group Presentation

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the Solar System					
Week 7 - Unit 2, Lesson 1 **MS-ESS2-1** **The Rock Cycle**	5. Engage: Rock Cycle video and discussions	6. Explore#1: Teacher demo and exploration questions.	7. Explore#1: Finish exploration questions.	8. Explore#2: Zingy Learning Lessons	9. Explore#2: Zingy Learning Lessons
Week 8 - Unit 2, Lesson 1 **MS-ESS2-1** **The Rock Cycle**	12. Explain: Mystery Science, Google Slides, Achieve 3000	13. Explain: Mystery Science, Google Slides, Achieve 3000	14. Explain: Mystery Science, Google Slides, Achieve 3000	15. Elaborate: Rock Cycle diagram	16. Evaluate: Complete Rock Cycle diagram & summary.
Week 9 - Unit 2, Lesson 2 **MS-ESS2-4** **The Water Cycle**	19. Engage: Teacher demo and student discussion	20. Explore: Water Cycle Experiment and follow up questions	21. Explain: Direct instruction & review questions	22. Explain: Teacher/student choice of asynchronous activities	23. Explain: Teacher/student choice of asynchronous activities
Week 10 - Unit 2, Lesson 2 **MS-ESS2-4** **The Water Cycle**	26. Elaborate: Independent read & informative essay, slides or video	27. Elaborate: Independent read & informative essay, slides or video	28. Elaborate: Independent read & informative essay, slides or video	29. Evaluate: Water Cycle Diagrams	30. Evaluate: Water Cycle Diagrams

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November					
Standard Focus	Monday	Tuesday	Wednesday	Thursday	Friday
Week 11 - Unit 2, Lesson 3 MS-ESS3-1 Uneven Distribution of Resources	2. Engage: Phenomenon slides & Notice & Wonder	3. Explore: Carbon Cycle reading passage	4. Explore: Carbon Cycle reading passage with Ted Ed video.	5. Explain: Carbon Cycle game & discussion	6. Explain: Choice board, BrainPOP, Zingy and/or Mystery Science
Week 12 - Unit 2, Lesson 3 MS-ESS3-1 Uneven Distribution of Resources	9. Explain: Choice board, BrainPOP, Zingy and/or Mystery Science	10. Explain: Choice board, BrainPOP, Zingy and/or Mystery Science	11. Elaborate: Carbon Footprint calculations and discussion	12. Evaluate: Carbon Cycle diagrams and presentations	13. Evaluate: Carbon Cycle diagrams and presentations
Week 13 - Unit 3, Lesson 1 MS-ESS4-1 & MS-ESS2-3 Geologic Time	16. Engage: Layers in a Jar	17. Explore: Layers in a Jar interpretation	18. Explore: Teacher-led discussion	19. Explain: Direct Instruction & Fossil Fill Activity	20. Explain: Fossil Fill Activity
Thanksgiving Week No School	23.	24.	25.	26.	27.

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Week 14 - Unit 3, Lesson 1 MS-ESS4-1 & MS-ESS2-3 Geologic Time	30. Explain: Choice board, BrainPOP, Achieve3000 or Zingy.				
December					
Week 14 (cont.) - Unit 3, Lesson 1 MS-ESS4-1 & MS-ESS2-3 The Geologic Time Scale	30.	1. Explain: Choice board, BrainPOP, Achieve3000 or Zingy.	2 Explain: Choice board, BrainPOP, Achieve3000 or Zingy.	3. Elaborate: Pangaea Lab activity.	4. Evaluate: Class Discussion and/or Google Form.
Week 15 - Unit 3, Lesson 2 MS-ESS2-3 Geologic Processes	7. Engage: Discussion of phenomena	8. Explore: BrainPOP - Erosion & Weathering	9. Explore: BrainPOP - Erosion & Weathering	10. Explain: Digital webquest, Mystery Science, Zingy, BrainPOP or Achieve3000.	11. Explain: Digital webquest, Mystery Science, Zingy, BrainPOP or Achieve3000.
Week 16 - Unit 3, Lesson 2 MS-ESS2-3	14. Explain: Digital webquest,	15. Explain: Digital webquest,	16. Elaborate: Slides or video	17. Elaborate: Slides or video	18. Evaluate: Presentation of

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Geologic Processes	Mystery Science, Zingy, BrainPOP or Achieve3000.	Mystery Science, Zingy, BrainPOP or Achieve3000.	creation	creation	slides/videos
Winter Break - No School	21.	22.	23.	24.	25.
Winter Break - No School	28.	29.	30.	31.	
January 2021					
					1.
Week 17 - Unit 3, Lesson 3 MS-ESS2-5 & MS-ESS2-6 Heat Transfer & Climate	4. Engage: Notice & Wonder discussion	5. Explore: Virtual Albedo lab	6. Explore: Virtual Albedo Lab	7. Explain: BrainPOP, Zingy Learning, Achieve3000, Info text reading	8. Explain: BrainPOP, Zingy Learning, Achieve3000, Info text reading
Week 18 - Unit 3, Lesson 3 MS-ESS2-5 & MS-ESS2-6	11. Explain: BrainPOP, Zingy Learning,	12. Explain: BrainPOP, Zingy Learning,	13. Elaborate: CER Poster	14. Elaborate: CER Poster	15. Evaluate: Presentation of CER Posters

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Heat Transfer & Climate	Achieve3000, Info text reading	Achieve3000, Info text reading			
Week 19 - Unit 4, Lesson 1 MS-ESS3-2 & MS-ESS3-3 Natural Disasters & Monitoring Human Impact	18. Engage: Discussion of phenomena	19. Explore: Earthquake data explorations	20. Explore: Earthquake data explorations	21. Explain: Whole class discussion & BrainPOP	22. Explain: BrainPOP, Zingy Learning &/or Achieve3000
Week 20 - Unit 4, Lesson 1 MS-ESS3-2 & MS-ESS3-3 Natural Disasters & Monitoring Human Impact	25. Explain: BrainPOP, Zingy Learning &/or Achieve3000	26. Elaborate: Natural Disaster Research projects	27. Elaborate: Natural Disaster Research projects	28. Elaborate: Natural Disaster Research projects	29. Evaluate: Student research presentations
February 2021					
Week 21 - Unit 4, Lesson 2 MS-ESS3-4 Consumption of Natural Resources	1. Engage: Notice & Wonder discussion	2. Explore: World Population activities or teacher choice	3. Explore: World Population activities or teacher choice	4. Explain: Thinking Maps, BrainPOP, Zingy, Achieve3000	5. Explain: Thinking Maps, BrainPOP, Zingy, Achieve3000

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Week 22 - Unit 4, Lesson 2 MS-ESS3-4 Consumption of Natural Resources	8. No School	9. Explain: Thinking Maps, BrainPOP, Zingy, Achieve3000	10. Elaborate: Map sharing & discussion	11. Evaluate: C-E-R Model posters	12. Evaluate: C-E-R Model posters
Week 23 - Unit 4, Lesson 3 MS-ESS3-5 Rise in Global Temperatures	15. No School	16. Engage: Notice & wonder discussion	17. Explore: Balloon activity and Google Form	18. Explain: Direct instruction & case study	19. Explain: Case Study
Week 24 - Unit 4, Lesson 3 MS-ESS3-5 Rise in Global Temperatures	22. Explain: Case study	23. Explain: Case Study	24. Explain: BrainPOP, Zingy Learning, Achieve3000	25. Explain: BrainPOP, Zingy Learning, Achieve3000	26. Explain: BrainPOP, Zingy Learning, Achieve3000
March 2021					
Week 25 - Unit 4, Lesson 3 MS-ESS3-5 Rise in Global Temperatures.	1. Explain: BrainPOP, Zingy Learning, Achieve3000	2. Elaborate: C-E-R Model poster	3. Elaborate: C-E-R Model poster	4. Elaborate: C-E-R Model poster	5. Evaluate: Assessment