



Welcome to Ms. Field's Earth Science Honors

On this page you will find our daily agenda and to-dos. All assignments/lessons are in Schoology- there is a path for you to follow to find each of them. This board is set up with the most recent date at the top. If you miss a day of school, please reference this page to see what you have missed. If you have any questions, send me a message through Schoology or email me at cmfield@henrico.k12.va.us. I am looking forward to

working with you this year!

Date: October 28, 29, 2026		
What are we learning today (Incl. SOL/Comp)? ES.11 Atmospheric water Why are we learning it? To review the water cycle and understand how water moves throughout our atmosphere and is responsible for our weather. How will we know we've learned it (Success Criteria)? Using a sling psychrometer, students will measure the relative humidity of the classroom and the outdoors.		
Agenda: I= Instructional Materials (Presentations, Articles, Websites, etc.) C= Class Work (Done in class with teacher/student feedback) H= Homework Activity (Done Independently)		Comments/Due Date
C	1. Water Cycle Warm Up	10/28, 10/29
I	2. Water in the Atmosphere Notes	10/28 ,10/29
C	3. Relative Humidity Activity	10/28, 10/29
Announcements/Assessments: End of the quarter: October 28, 2026		

Date: October 26, 27 2026		
What are we learning today (Incl. SOL/Comp)? ES.11 Atmosphere Why are we learning it? To understand how our atmosphere protects Earth. How will we know we've learned it (Success Criteria)? Students will label the layers of the atmosphere and draw the characteristics of each layer.		
Agenda: I= Instructional Materials (Presentations, Articles, Websites, etc.) C= Class Work (Done in class with teacher/student feedback) H= Homework Activity (Done Independently)		Comments/Due Date
C	4. Newsella Atmosphere	10/26, 10?27
I	5. Atmosphere Notes	10/26, 10?27
C	6. Layers of the Atmosphere	10/26, 10/27
Announcements/Assessments: End of the quarter: October 28, 2026		

Date: October 22, 23 2026		
What are we learning today (Incl. SOL/Comp)? ES.3 Solar System Why are we learning it? To understand the scope of our solar system and Earth's place in it. How will we know we've learned it (Success Criteria)? Students will exhibit mastery in the knowledge of our solar system		
Agenda: I= Instructional Materials (Presentations, Articles, Websites, etc.) C= Class Work (Done in class with teacher/student feedback) H= Homework Activity (Done Independently)		Comments/Due Date
C	1. Bingo game review	10/22, 10/23

C	2. Solar system Test	10/22, 10/23
Announcements/Assessments: Solar System Test: October 22, 23, 2026		

Date: October 21, 2026		
What are we learning today (Incl. SOL/Comp)? ES.3 Solar System Why are we learning it? To understand the scope of our solar system and Earth's place in it. How will we know we've learned it (Success Criteria)? Students will construct a scale model of the solar system		
Agenda: I= Instructional Materials (Presentations, Articles, Websites, etc.) C= Class Work (Done in class with teacher/student feedback) H= Homework Activity (Done Independently)		Comments/Due Date
C	3. Solar system warm up	10/21
C	4. Solar system Sidewalk Chalk	10/21
C	5.	
Announcements/Assessments: Solar System Test: October 22, 23, 2026		

Date: October 20, 2026

What are we learning today (Incl. SOL/Comp)? Why are we learning it? How will we know we've learned it (Success Criteria)?		
Agenda: I= Instructional Materials (Presentations, Articles, Websites, etc.) C= Class Work (Done in class with teacher/student feedback) H= Homework Activity (Done Independently)		Comments/Due Date
C	6.	
C	7.	
C	8.	
C	9.	
Announcements/Assessments: Solar System Test: October 22, 23, 2026 MISSION TOMORROW FIELD TRIP		

Date: October 16, 19, 2026		
What are we learning today (Incl. SOL/Comp)? ES.3 Planet Earth Why are we learning it? To understand why Earth is able to support life. How will we know we've learned it (Success Criteria)? Students will be able to explain how many things, including the moon, water, carbon, Earth's tilt, Jupiter and our sun allow life to be able to flourish on Earth.		
Agenda: I= Instructional Materials (Presentations, Articles, Websites, etc.) C= Class Work (Done in class with teacher/student feedback) H= Homework Activity (Done Independently)		Comments/Due Date
C	10. Habitable Earth Webquest	10/16, 10/19
C	11. Which Planet Warm Up	10/16, 10/19

C	12. Planetary Data	10/16, 10/19
C	13. Lat/Long Review	10/16, 10/19
Announcements/Assessments: Solar System Test: October 22, 23, 2026		

Date: October 14, 15, 2026		
What are we learning today (Incl. SOL/Comp)? ES.1 Latitude and Longitude Why are we learning it? To understand Earth's coordinate system. How will we know we've learned it (Success Criteria)? Students will be able to write the coordinates of certain cities.		
Agenda: I= Instructional Materials (Presentations, Articles, Websites, etc.) C= Class Work (Done in class with teacher/student feedback) H= Homework Activity (Done Independently)		Comments/Due Date
C	14. Moon and Planets Warm Up	10/14, 10/15
C	15. Moon Quiz	10/14, 10/15
I	16. Latitude/Longitude Notes	10/14, 10/15
C	17. Lat/Long Practice	10/14, 10/14
Announcements/Assessments: Moon quiz: October 14, 15, 2025 Solar System Test: October 22, 23, 2026		

Date: October 12, 13, 2026

What are we learning today (Incl. SOL/Comp)? ES.3 Solar System Why are we learning it? To understand Earth's place in the solar system and the laws that govern motion. How will we know we've learned it (Success Criteria)? Students will be able to interpret several graphs including orbital period, temperature, orbital velocity, gravity and density of planets.		
Agenda: I= Instructional Materials (Presentations, Articles, Websites, etc.) C= Class Work (Done in class with teacher/student feedback) H= Homework Activity (Done Independently)		Comments/Due Date
C	18. Seasons Warm Up	10/12, 10/13
I	19. Solar System Notes	10/12, 10/13
C	20. Planetary Dats	10/12, 10/13
H	21. Solar System Test Review	10/12, 10/13
Announcements/Assessments: Moon quiz: October 14, 15, 2025 Solar System Test: October 22, 23, 2026		

Date: October 8, 9, 2026		
What are we learning today (Incl. SOL/Comp)? ES.3 The seasons Why are we learning it? To understand how Earth's tilt and revolution cause the seasons. How will we know we've learned it (Success Criteria)? Students will be able to predict temperature, hours of daylight and angle of sunlight based on the season.		
Agenda: I= Instructional Materials (Presentations, Articles, Websites, etc.) C= Class Work (Done in class with teacher/student feedback) H= Homework Activity (Done Independently)		Comments/Due Date

C	22. Latitude Warm Up	10/8, 10/9
I	23. Seasons Notes	10/8, 10/9
C	24. Seasons GIZMO	10/8, 10/9
Announcements/Assessments: Moon quiz: October 14, 15, 2025		

Date: October 6, 7, ,2026		
What are we learning today (Incl. SOL/Comp)? ES.3 The moon Why are we learning it? To understand how the moon affects life on Earth. How will we know we've learned it (Success Criteria)? Students will be able to draw and label moon phases, predict solar and lunar eclipses.		
Agenda: I= Instructional Materials (Presentations, Articles, Websites, etc.) C= Class Work (Done in class with teacher/student feedback) H= Homework Activity (Done Independently)		Comments/ Due Date
I	25. Moon Warm Up	10/6, 10/7
C	26. Moon Lab	10/6, 10/7
Announcements/Assessments: Moon quiz: October 14, 15, 2025		

Date: October 2, 5,2026		
What are we learning today (Incl. SOL/Comp)? ES.3 The moon Why are we learning it? To understand how the moon affects life on Earth. How will we know we've learned it (Success Criteria)? Students will be able to draw and label moon phases, predict solar and lunar eclipses.		
Agenda: I= Instructional Materials (Presentations, Articles, Websites, etc.) C= Class Work (Done in class with teacher/student feedback) H= Homework Activity (Done Independently)		Comments/ Due Date
I	27. Moon Notes	10/2, 10/5
C	28. Moon Walk-about	10/2, 10/5
Announcements/Assessments: Moon quiz: October 14, 15, 2025		

Date: September 30, October 1, 2026		
What are we learning today (Incl. SOL/Comp)? ES. 2 Stellar Astronomy Why are we learning it? To understand how the universe formed and Earth's place in it. How will we know we've learned it (Success Criteria)? Students will exhibit mastery in the knowledge of stellar astronomy		
Agenda: I= Instructional Materials (Presentations, Articles, Websites, etc.) C= Class Work (Done in class with teacher/student feedback) H= Homework Activity (Done Independently)		Comments/ Due Date
C	29. Bingo!	9/30, 10/1

I	30. Stellar Astronomy Test	9/30, 10/1
Announcements/Assessments: Star, Galaxy and Universe Test: September 30, October 1, 2026		

Date: September 25, 29, 2026		
What are we learning today (Incl. SOL/Comp)? ES. 2 Space Exploration Technology Why are we learning it? To understand how humans explore the cosmos with technology How will we know we've learned it (Success Criteria)? Students will be able to discuss different technological advances and also to program a Mars rover.		
Agenda: I= Instructional Materials (Presentations, Articles, Websites, etc.) C= Class Work (Done in class with teacher/student feedback) H= Homework Activity (Done Independently)		Comments/ Due Date
C	31. Sun Spot Warm Up	9/25, 9/29
I	32. Space Exploration Notes	9/25, 9/29
C	33. Mars Rover Activity	9/25, 9/26
Announcements/Assessments: Star, Galaxy and Universe Test: September 30, October 1, 2026		

Date: September 23, 24, 2026

What are we learning today (Incl. SOL/Comp)? ES. 2 The Sun
Why are we learning it? To understand how changes on the sun affect life on Earth.
How will we know we've learned it (Success Criteria)? Students will be able to describe and label layers of the sun and be able to predict climate on Earth based on activity on the sun.

Agenda:

I= Instructional Materials (Presentations, Articles, Websites, etc.)

C= Class Work (Done in class with teacher/student feedback)

H= Homework Activity (Done Independently)

**Comments/
Due Date**

C

34. Star Evolution Warm Up

9/23, 9/24

I

35. Sun Notes

9/23, 9/24

C

36. Star Foldable

9/23, 24

Announcements/Assessments:

Star, Galaxy and Universe Test: September 30, October 1, 2026

Date: September 18, 22, 2026

What are we learning today (Incl. SOL/Comp)? ES. 2 Star Evolution

Why are we learning it? To understand how stars change over time and how it affects Earth.

How will we know we've learned it (Success Criteria)? Students will be able to predict, describe and label phases of star evolution.

Agenda:

I= Instructional Materials (Presentations, Articles, Websites, etc.)

C= Class Work (Done in class with teacher/student feedback)

H= Homework Activity (Done Independently)

**Comments/
Due Date**

C

37. HR Diagram Warm Up

9/18, 9/22

I	38. Star Evolution Notes	9/18, 9/22
C	39. HR Diagram GIZMO	9/18, 9/22
Announcements/Assessments: Back to School Night Video Star, Galaxy and Universe Test: September 30, October 1, 2026		

Date: September 14, 15, 2026		
What are we learning today (Incl. SOL/Comp)? ES. 2 Galaxies and Universe Why are we learning it? To better understand our place in the universe and how scientists can tell the universe if expanding How will we know we've learned it (Success Criteria)? Students will create a model of the universe and demonstrate the expanding universe.		
Agenda: I= Instructional Materials (Presentations, Articles, Websites, etc.) C= Class Work (Done in class with teacher/student feedback) H= Homework Activity (Done Independently)		Comments/ Due Date
C	40. Doppler Effect Warm Up	9/14, 9/15
C	41. Big Bang Activity	9/14, 9/15
Announcements/Assessments:		

Date: September 10, 11, 2026

What are we learning today (Incl. SOL/Comp)? ES. 2 Galaxies and Universe
Why are we learning it? To better understand our place in the universe and how scientists can tell the universe if expanding
How will we know we've learned it (Success Criteria)? Students will be able to define and explain the doppler effect.

Agenda: I= Instructional Materials (Presentations, Articles, Websites, etc.) C= Class Work (Done in class with teacher/student feedback) H= Homework Activity (Done Independently)		Comments/ Due Date
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C	42. Scientific Investigation Warm Up	9/10, 9/11
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C	43. Scientific Investigation Quiz	9/10, 9/11
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C	44. Galaxy and Universe Notes	9/10, 9/11
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C	45. Doppler Effect Assignment	9/10, 9/11
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Announcements/Assessments: Scientific Investigation and Measuring Quiz

Date: September 8, 9, 2026

What are we learning today (Incl. SOL/Comp)? Scientific Investigation
Why are we learning it? To better understand the scientific process and be able to think logically.
How will we know we've learned it (Success Criteria)? Students will be able to execute an experiment and be able to label the parts.

Agenda: I= Instructional Materials (Presentations, Articles, Websites, etc.) C= Class Work (Done in class with teacher/student feedback) H= Homework Activity (Done Independently)		Comments/ Due Date
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C	46. Density Warm Up	9/8, 9/9
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I	47. Scientific Investigation Notes	9/8, 9/9
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C	48. Helicopter Lab	9/8, 9/9
	49.	
Announcements/Assessments: Scientific Investigation and Measuring Quiz		

Date: September 2, 3, 2026		
What are we learning today (Incl. SOL/Comp)? Mass, Volume, Density Why are we learning it? To become accustomed to using equipment and understand mass, volume and density. How will we know we've learned it (Success Criteria)? Students will determine the mass, volume and density of certain objects.		
Agenda: I= Instructional Materials (Presentations, Articles, Websites, etc.) C= Class Work (Done in class with teacher/student feedback) H= Homework Activity (Done Independently)		Comments/ Due Date
C	50. Density Warm Up	9/2, 9/3
C	51. Density lab	9/2, 9/3
	52.	
	53.	
Announcements/Assessments: Parents, please sign the Lab Safety Agreement in Powerschool.		

Date: August 31, September 1, 2026		
What are we learning today (Incl. SOL/Comp)? Claim, Evidence, Reasoning Why are we learning it? To be able to think through the scientific process		

How will we know we've learned it (Success Criteria)? Students will state a claim and then attempt to prove it using evidence and reason.

Agenda: I= Instructional Materials (Presentations, Articles, Websites, etc.) C= Class Work (Done in class with teacher/student feedback) H= Homework Activity (Done Independently)		Comments/ Due Date
C	54. Lab Safety Warm Up	8/31,9/1
C	55. CER	8/31,9/1
I	56. Measuring Notes	8/31,9/1
	57.	
Announcements/Assessments: Parents, please sign the Lab Safety Agreement in Powerschool.		

Date: August 27, 28, 2026

What are we learning today (Incl. SOL/Comp)? Lab Safety
Why are we learning it? So no student gets hurt in a lab activity.
How will we know we've learned it (Success Criteria)? Students have a safe and exciting year in science class.

Agenda: I= Instructional Materials (Presentations, Articles, Websites, etc.) C= Class Work (Done in class with teacher/student feedback) H= Homework Activity (Done Independently)		Comments/ Due Date
C	58. Lab Safety Warm Up	8/27-31/26
I	59. Lab Safety Notes	8/27-31/26
C	60. Lab Safety Stations Walk-about	8/27-31/26
C	61. Lab Safety Quiz	8/27-31/26

Announcements/Assessments: Parents, please sign the Lab Safety Agreement in Powerschool.

Date: August 25, 26, 2026

What are we learning today (Incl. SOL/Comp)? Classroom Rules and Procedures
Why are we learning it? To help us have a successful year.
How will we know we've learned it (Success Criteria)? Students will know procedures by next week.

Agenda:

I= Instructional Materials (Presentations, Articles, Websites, etc.)

C= Class Work (Done in class with teacher/student feedback)

H= Homework Activity (Done Independently)

**Comments/
Due Date**

62.

63.

64.

65.

Announcements/Assessments: Students, please bring a binder, pencil and loose leaf paper to class every day.