

FAYETTE COUNTY PUBLIC SCHOOLS - Chemistry with Earth & Space Science SCIENCE 2023-2024

August				
M	T	W	T	F
14	15	16	17	18
21	22	23	24	25
28	29	30	31	1
September				
M	T	W	T	F
4	5	6	7	8
11	12	13	14	15
18	19	20	21	22
25	26	27	28	29
October				
M	T	W	T	F
2	3	4	5	6
9	10	11	12	13
16	17	18	19	20
23	24	25	26	27

Unit 1
Origin of Matter

[Unit Framework](#)

Approximately 46 Days / 23 Blocks

Common Assessment Window
10/20/23 – 11/03/23

Part 1A - Big Bang Theory and Atomic Structure

[Part 1 A - Framework](#)

Approximately 16 Days / 8 Blocks

Part 1B - Life Cycle of Stars

[Part 1B - Framework](#)

Approximately 15 Days / 7 Blocks

Part 1C - Nuclear Chemistry

[Part 1C - Framework](#)

Approximately 15 Days / 8 Blocks

Essential Standards - Part A

HS-ESS1-2	HS-PS1-1
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Supporting Standards - Part A

HS-ESS1-3	HS-ESS1-1	HS-PS1-2	HS-PS1-4
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Essential Standards - Part B

HS-ESS1-3	HS-ESS1-1
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Supporting Standards - Part B

HS-ESS1-2

Essential Standards - Part C

HS-PS1-8

Supporting Standards - Part C

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November				
M	T	W	T	F
30	31	1	2	3
6	7	8	9	10
13	14	15	16	17
20	21	22	23	24
27	28	29	30	1
December				
M	T	W	T	F
4	5	6	7	8
11	12	13	14	15
18	19	20	21	22
25	26	27	28	29
January				
M	T	W	T	F
1	2	3	4	5
8	9	10	11	12
15	16	17	18	19

**Unit 2
Composition of Matter**

[Unit Framework](#)

Approximately 44 Days / 22 Blocks

**Common Assessment Window
01/12/24 – 01/26/24**

Part 2A - Periodic Trends

[Part 2 A - Framework](#)

Approximately 16 Days / 8 Blocks

Part 2B - Compound Names & Formulas

[Part 2B - Framework](#)

Approximately 14 Days / 7 Blocks

Part 2C - Bonding and Molecular Shapes

[Part 2C - Framework](#)

Approximately 14 Days / 7 Blocks

Essential Standards - Part A

HS-PS1-1

Supporting Standards - Part A

HS-PS1-2

HS-PS1-4

Essential Standards - Part B

HS-LS1-6

Supporting Standards - Part B

HS-LS1-5

HS-LS1-7

Essential Standards - Part C

HS-PS2-6

HS-PS1-3

Supporting Standards - Part C

HS-PS2-4

HS-PS2-5

HS-PS1-1

HS-PS1-2

HS-PS1-4

January				
M	T	W	T	F
22	23	24	25	26
February				
M	T	W	T	F
29	30	31	1	2
5	6	7	8	9
12	13	14	15	16
19	20	21	22	23
26	27	28	29	1
March				
M	T	W	T	F
4	5	6	7	8
11	12	13	14	15
18	19	20	21	22
25	26	27	28	29

**Unit 3
Interactions of Matter**

[Unit Framework](#)

Approximately 48 Days / 24 Blocks

**Common Assessment Window
03/22/24 – 04/12/24**

Part 3A - Chemical Reactions
[Part 3A - Framework](#)
Approximately 14 Days / 7 Blocks

Part 3B - Conservation of Matter
[Part 3B - Framework](#)
Approximately 14 Days / 7 Blocks

Part 3C - Reaction Rates in Solutions
[Part 3C - Framework](#)
Approximately 10 Days / 5 Blocks

Part 3D - Reaction Rates in Solutions
[Part 3D - Framework](#)
Approximately 10 Days / 5 Blocks

Essential Standards - Part A

HS-PS1-2

Supporting Standards - Part A

HS-PS1-1	HS-PS1-3	HS-PS1-4
HS-PS1-5	HS-PS1-6	

Essential Standards - Part B

HS-PS1-7

Supporting Standards - Part B

HS-PS1-4	HS-PS1-5	HS-PS1-6	HS-PS1-2
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Essential Standards - Part C

HS-PS1-5

Supporting Standards - Part C

HS-PS1-2	HS-PS1-4	HS-PS1-6	HS-PS1-7
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Essential Standards - Part D

HS-PS1-6

Supporting Standards

HS-PS1-2

April				
M	T	W	T	F
1	2	3	4	5
8	9	10	11	12
15	16	17	18	19
22	23	24	25	26
May				
M	T	W	T	F
29	30	1	2	3
6	7	8	9	10
13	14	15	16	17
20	21	22	23	24
27	28	29	30	31

**Unit 4
Uses of Matter**

Unit Framework

Approximately 36 Days / 18 Blocks

**Common Assessment Window
05/06/24 – 05/29/24**

Part 4A -Thermochemistry

[Part 4A - Framework](#)

Approximately 12 Days / 6 Blocks

Part 4B - Water and Rock Erosion

[Part 4B - Framework](#)

Approximately 12 Days / 6 Blocks

Part 4C - Mining Natural Resources

[Part 4C - Framework](#)

Approximately 12 Days / 6 Blocks

Essential Standards - Part A

HS-PS1-4	HS-PS3-1	HS-LS1-7
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Supporting Standards - Part A

HS-PS1-1	HS-PS1-2	HS-PS1-3
HS-PS1-4	HS-PS1-5	HS-PS1-6
HS-PS3-2	HS-PS3-3	HS-PS3-4
HS-LS1-5	HS-LS1-6	

Essential Standards - Part B

HS-ESS2-5	HS-ETS1-1
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Supporting Standards - Part B

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Essential Standards - Part C

HS-ESS3-2	HS-ETS1-3
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Supporting Standards - Part C

HS-ESS3-1
