2025-26

7th Grade Science Year at a Glance

Units (172 days) AHISD	Standards
Unit 1: Lab Safety & Scientific Practices	**Dates: August 13 – August 26** **(10 instructional days, 2 weeks)** **TEKS: 7.1A–H, 7.2A–D, 7.3A–C, 7.4 A-C, 7.5 A-G**
Unit 2: Organisms & Environments	**Dates: August 27– November 8** **(53 instructional days, 11 weeks)** **TEKS: 7.12A–B, 7.13A–D, 7.14A–B, 7.14B**
Unit 3: Matter & Energy	**Dates: November 10 – December 19** **(25 instructional days, 5 weeks)** **TEKS: 7.6A–E**
Unit 4: Force, Motion & Energy	**Dates: January 6 – March 6** **(42 instructional days, 9 weeks)** **TEKS: 7.7A–D, 7.8A–C**
Unit 5: Earth & Space	**Dates: March 16 – May 21** **(44 instructional days, 10 weeks)** **TEKS: 7.9A–C, 7.10A–B, 7.11A–B**

July

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

August

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

September

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

October

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

November

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

December

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

January

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

February

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

March

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

April

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

May

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

June

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

Key:

<	Start of 9 weeks
>	End of 9 weeks
♦	Early release
*	Elementary Student Holiday/Parent Teacher Conference
	STAAR
TESTING	April 10-11 MAP April 15 Reading STAAR April 29 Math STAAR May 12-15 Finals schedule

	Student Holiday/ Staff Work Day
	Student and Staff Holiday
	Fall Break (25-26th Trade Days)
	Winter Break
	Spring Break

7th Grade Science Year-at-a-Glance 2025–2026 School Year

Total Instructional Days: August 13, 2025 – May 21, 2026

Unit 1: Lab Safety & Scientific Practices Dates: August 13 – August 26 (10 instructional days, 2 weeks) TEKS: 7.1A–H, 7.2A–D, 7.3A–C, 7.4 A-C, 7.5 A-G

- Aug 13–15: Lab safety procedures, safety symbols, classroom routines
- Aug 18–22: Scientific tools, measurement, variables, experimental design
- Aug 25–26: Lab procedures, observations vs. inferences

Unit 2: Organisms & Environments Dates: August 27 – November 8 (53 instructional days, 11 weeks) TEKS: 7.12A–B, 7.13A–D, 7.14A–B, 7.14B

- Aug 27–29: Food chains, food webs, and trophic levels (7.12A)
- Sept 2–5: Energy pyramids and matter cycling (7.12B)
- Sept 8–12: Cells and levels of biological organization (7.13A–B)

Human Body Systems (7.13C–D)

- Sept 15–19: Circulatory system
- Sept 22–26: Respiratory system
- Sept 29 – Oct 3: Skeletal & muscular systems
- Oct 6–10: Integumentary system
- Oct 14–17: Nervous system
- Oct 20–24: Immune system
- Oct 27–31: Endocrine system
- Nov 3–7: Digestive & Urinary systems
- Nov 8: Bacteria aiding digestion (7.14B)

Unit 3: Matter & Energy Dates: November 12 – January 10 (31 instructional days, 6.5 weeks) TEKS: 7.6A–E

- Nov 12–15: Substances vs. mixtures (7.6A)
- Nov 18–22: Elements, compounds, and mixtures (7.6B)
- Dec 2–6: Metals, nonmetals, metalloids (7.6C)
- Dec 9–13: Physical properties (density, conductivity) (7.6D)
- Dec 16–19: Physical vs. chemical changes (7.6E)

Unit 4: Force, Motion & Energy Dates: January 13 – February 28 (33 instructional days, 7 weeks) TEKS: 7.7A–D, 7.8A–C

- Jan 6–10: Heat transfer (conduction, convection, radiation) (7.7A)
- Jan 13–17: Heat transfer (conduction, convection, radiation) (7.7A)
- Jan 21–24: Thermal energy in systems (7.7B)
- Jan 27–31: Forces and Newton's Laws (7.7C–D)
- Feb 3–7: Forces and Newton's Laws (7.7C–D)
- Feb 10–14: Speed and motion (7.8A)
- Feb 17–21: Calculating speed & interpreting motion graphs (7.8B)
- Feb 24–28: Motion changes & direction (7.8C)
- Mar 3–7:Applied force and motion review & lab applications

Unit 5: Earth & Space – Solar System, Water Systems, and Plate Tectonics Dates: March 3 – May 21 (49 instructional days, 11 weeks) TEKS: 7.9A–C, 7.10A–B, 7.11A–B

- Mar 17–21: Rotation, revolution, tides, and seasons (7.9A)
- Mar 24–28: Gravity and orbit in the solar system (7.9B)
- Mar 31–Apr 4: Watersheds and aquifers (7.11A)
- Apr 7–11: Infiltration, permeability, porosity (7.10A)
- Apr 14–18:Groundwater movement (7.10B)
- Apr 21–25: Ocean systems & human impact (7.11B)
- Apr 28 – May 2: Plate tectonics and Earthquakes, volcanoes, surface processes (7.9C)
- May 5–9: Seafloor spreading, mountain formation, boundaries
- May 12–21: End-of-year projects, extension labs, and student-led investigations