

This Pacing Guide provides our OKCPS scope and sequence for the above named Science instructional program for the 2016 SY

Adopted Instructional Program: CPO: Physical Earth and Space Science

Unit Outline		Timeframe for Each Unit
Unit 0 <ul style="list-style-type: none"> ➤ Rituals and Routines – Week 1 ➤ Science Safety/ Laboratory Equipment – Week 2 ➤ Scientific Method – Weeks 3 & 4 ➤ Measurement & Units (metric units, sig. figs, rounding, conversions) – Weeks 5 & 6 ➤ Process Skills/ Science and Engineering Practices Introduction ➤ <i>(Note- Process skills and safety will continue to become embedded throughout the year)</i> 		30 Days of School August 3 – September 11 <i>Routines & Rituals are embedded within the instructional unit of study.</i>
Unit 1 Periodic Table – Weeks 7 & 8	Aligning OASS Standards HS-PS1-1 Matter and Its Interactions	10 Days of School September 14 – Sept. 25
Unit 2 Chemical Reactions – Weeks 9 & 10	Aligning OASS Standards HS-PS1-2 Matter and Its Interactions	10 Days of School September 28 – Oct. 9
Unit 3 Qualitative Thermodynamics – Weeks 11 & 12	Aligning OASS Standards HS-PS1-5 Matter and Its Interactions	10 Days of School October 26 – Nov. 6
Unit 4 Conservation of Mass – Weeks 13&14	Aligning OASS Standards HS-PS1-7 Matter and Its Interactions	12 Days of School November 9 – Nov. 24
Final exams and review	All of the above	12 Days of School November 30 – Dec. 15

2 nd Semester	2 nd Semester	2 nd Semester
Lab Test / Pre-test / Classroom Norms – Week 1	Lab safety	5 Days of School January 4 – January 8
Unit 5 Newton’s 1 st Law/Speed – Week 2 Newton’s 2 nd Law/Force – Week 3	Aligning OASS Standards HS-PS2-1 Newton’s 1 st and 2 nd Law	9 Days of School January 11 – January 22
Unit 6 Momentum/Collisions – Weeks 4 & 5	Aligning OASS Standards HS-PS2-2 Momentum	9 Days of School January 25 – February 4
Unit 7 Energy – Weeks 6 – 9	Aligning OASS Standards HS-PS3-2 Energy – Qualitative HS-PS3-1 Energy - Quantitative	19 Days February 8 – March 4
Unit 8 Electromagnetism – Weeks 10 & 11	Aligning OASS Standards HS-PS2-5 Motion & Stability HS-PS4-4 Waves & their apps	10 Days March 21 – April 1
Unit 9 Waves – Weeks 12-17	Aligning OASS Standards HS-PS4-1 Frequency/ λ /Speed HS-PS4-2 Digital Transmission	25 Days April 4 – May 6
Final Exam & Science Fairs	All of the above	10 Days May 16 – May 27