

# Pacing Guide - 8th Grade Science

## ELA Common Core Standards

Marking Period 2				ELA Common Core Standards						
Day	Unit	Topic	Desired Outcome	CCCS	Reading	Writing	S & L	Math	21st Century	Technology
1	Unit 4	Energy Transfer (Chemical)	Undertake a design project to construct, test, and modify a device that either releases or absorbs thermal energy by chemical processes.	PS1-6	RST.6-8.1, RST.6-8.3, RST.6-8.7	WHST. 6-8.1, WHST. 6-8.7, WHST. 6-8.8	S.L. 8.5	MP.2, MP.4, 6.RP.A.1, 6.RP.A.2, 6.RP.A.3, 7.RP.A.2, 6.NS.C.5, 8.EE.A.1, 8.EE.A.2,	9.1	8.1 & 8.2
2			Apply scientific principles to design, construct, and test a device that either minimizes or maximizes thermal energy transfer.	PS3-3						
3										
4										
5										
6	Summative Unit Assessment & Green Project Check Point			PS 3, ESS 3						
7	Unit 5	Temperature, Heat and Kinetic Energy	Plan an investigation to determine the relationships among the energy transferred, the type of matter, the mass, and the change in the average kinetic energy of the particles as measured by the temperature of the sample.	PS3-4	RST.6-8.1, RST.6-8.3, RST.6-8.7	WHST. 6-8.1, WHST. 6-8.7, WHST. 6-8.8	S.L. 8.5	MP.2, MP.4, 6.RP.A.1, 6.RP.A.2, 6.RP.A.3, 7.RP.A.2, 6.NS.C.5, 8.EE.A.1,	9.1	8.1 & 8.2
8			Construct, use, and present arguments to support the claim that when the kinetic energy of an object changes, energy is transferred to or from the object	PS3-5						
9										
10										
11										
12	Summative Unit Assessment & Green Project Check Point			PS3						
14	Unit 6	molecules to cells	Conduct an investigation to provide evidence that living things are made of cells; either one cell or many different numbers and types of cells.	LS1-1	RST.6-8.1, RST.6-8.3, RST.6-8.7	WHST. 6-8.1, WHST. 6-8.2, WHST. 6-8.7, WHST. 6-8.8, WHST. 6-8.9	S.L. 8.5	6.EE.C.9, 6.SP.A.2, 6.SP.B.4	9.1	8.1 & 8.2
15										
16										
17										
18										
19	Summative Unit Assessment & Green Project Check Point			LS1						
20	Review for Benchmark									
21	Benchmark									
22	Benchmark									

