Lesson Title: Speed & Energy and Energy Transfer

Date/ Time Frame	10-15 Instructional days
Type:	5E
Lesson in a Series	Unit 3: Lesson 2 of 4 Lesson 2: Speed & Energy and Energy Transfer
Technology Integration	Google Classroom FlipGrid WeVideo Mystery Science BrainPOP Zingy Learning
NGSS Standard:	4-PS3-1 Use evidence to construct an explanation relating the speed of an object to the energy of that object. 4-PS3-2 Make observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electric currents.
CA ELD Standards	Part 1.B, Interpretive, 5: Listening actively to spoken English in a range of social and academic contexts. Part 1.B, Interpretive,6: Reading closely of informational texts and viewing multimedia to determine how meaning is conveyed explicitly and implicitly through language. Part 1.C, Productive,9: Expressing information and ideas in formal oral presentations on academic topics. Part 1.C, Productive,10: Composing/writing literary and informational texts to present, describe, and explain ideas and information, using

	appropriate technology.
Learning Intention	Students will learn about speed and energy are related and how energy can be transferred from place to place.
Success Criteria	Students will know they are successful when they can make observations & construct explanations supporting how energy is transferred from place to place and how energy and speed are related.
Materials:	Chromebooks Household materials Balloon rocket materials - See 5E lesson plan (optional)
Essential Questions	● *How does the energy affect the speed of an object?* ● *How does energy transfer?*
Task - What do you want the students to do?	Poster presentation Construct a balloon rocket and collect data (optional)
CFU / Rubric	Zingy Learning quizzes BrainPOP quizzes KWL/KLEWS charts