Crest Memorial School Curriculum and Pacing Guide

All activities correspond with marking period essential questions. Activity goes with question as do the the corresponding standards, modifications, accommodations, assessments and 21st century learning skills.

Grade: 6

Subject: Science

Adoption Date:

Revision Date: March 2022

	MP1	MP2	MP3	MP4
Pacing Guide	What causes the weather to change? (4 weeks) How can we predict the weather? (4 weeks)	What causes ocean currents? (2 weeks) What is climate and is it changing? (3 weeks) How do you conduct a scientific experiment? (3 weeks)	What's inside the earth? (4 weeks) What causes earthquakes? (3 weeks)	How do you build electric circuits? (5 weeks) How do computers work? (3 weeks)
Instructional Materials	Teacher created textbook BrainPop	Teacher created textbook BrainPop	Teacher created textbook BrainPop	Teacher created textbook BrainPop
Activities	Measure temperature differences Create a model tornado Produce a weather forecast	Demonstrate convection currents Predict effects of climate change Design and complete an experiment	Evaluate fossil evidence for theory of plate tectonics Map the location of earthquakes and volcanoes Design and test an earthquake proof structure	Build and test a battery Build and test electric circuits Create a video game
Standards	ESS2.D: Weather and Climate ESS3.B: Natural Hazards ETS1.A: Defining and	ESS2.D: Weather and Climate ESS3.C: Human Impacts on Earth Systems	ESS2.A: Earth's Materials and Systems	PS2.B: Types of Interactions PS4.C: Information Technologies and Instrumentation

	Delimiting an Engineering Problem ETS1.B: Developing Possible Solutions ETS1.C: Optimizing the Design Solution	ESS3.D: Global Climate Change ETS1.A: Defining and Delimiting an Engineering Problem ETS1.B: Developing Possible Solutions ETS1.C: Optimizing the Design Solution	ESS2.B: Plate Tectonics and Large-Scale System Interactions ESS3.A: Natural Resources ESS3.B: Natural Hazards ETS1.A: Defining and Delimiting an Engineering Problem ETS1.B: Developing Possible Solutions ETS1.C: Optimizing the Design Solution	ETS1.A: Defining and Delimiting an Engineering Problem ETS1.B: Developing Possible Solutions ETS1.C: Optimizing the Design Solution
Accommodations and Modifications	English language learners: Work with English speaking partner / group, use translation program for vocab as needed At Risk of School Failure: Work in cooperative group, adjust time for completion Gifted and Talented Students: Give opportunities to teach other students, produce work beyond minimum requirements Students with 504 plans: Provide notes and assignments on computer Special Education students: Provide notes and assignments on computer, graphic organizers	English language learners: Work with English speaking partner / group, use translation program for vocab as needed At Risk of School Failure: Work in cooperative group, adjust time for completion Gifted and Talented Students: Give opportunities to teach other students, produce work beyond minimum requirements Students with 504 plans: Provide notes and assignments on computer Special Education students: Provide notes and assignments on computer, graphic organizers	English language learners: Work with English speaking partner / group, use translation program for vocab as needed At Risk of School Failure: Work in cooperative group, adjust time for completion Gifted and Talented Students: Give opportunities to teach other students, produce work beyond minimum requirements Students with 504 plans: Provide notes and assignments on computer Special Education students: Provide notes and assignments on computer, graphic organizers	English language learners: Work with English speaking partner / group, use translation program for vocab as needed At Risk of School Failure: Work in cooperative group, adjust time for completion Gifted and Talented Students: Give opportunities to teach other students, produce work beyond minimum requirements Students with 504 plans: Provide notes and assignments on computer Special Education students: Provide notes and assignments on computer, graphic organizers
Interdisciplinary Connections	Math RP: Ratios and Proportions	Math RP: Ratios and Proportions	Math RP: Ratios and Proportions	Math RP: Ratios and Proportions

	EE: Expressions and Equations SP: Statistics and Probability ELA RI: Reading Informational Text RST: Reading in Science and Technical Subjects WHST: Writing in History, Science, and Technical Subjects	EE: Expressions and Equations SP: Statistics and Probability ELA RI: Reading Informational Text RST: Reading in Science and Technical Subjects WHST: Writing in History, Science, and Technical Subjects	EE: Expressions and Equations SP: Statistics and Probability ELA RI: Reading Informational Text RST: Reading in Science and Technical Subjects WHST: Writing in History, Science, and Technical Subjects	EE: Expressions and Equations SP: Statistics and Probability ELA RI: Reading Informational Text RST: Reading in Science and Technical Subjects WHST: Writing in History, Science, and Technical Subjects
Assessments	**Benchmark Assessments** Standardized Tests **Ongoing Formative Assessment** Lab Reports Homework Class Participation **Summative Assessments** Chapter and Unit Tests	**Benchmark Assessments** Standardized Tests **Ongoing Formative Assessment** Lab Reports Homework Class Participation **Summative Assessments** Chapter and Unit Tests	**Benchmark Assessments** Standardized Tests **Ongoing Formative Assessment** Lab Reports Homework Class Participation **Summative Assessments** Chapter and Unit Tests	**Benchmark Assessments** Standardized Tests **Ongoing Formative Assessment** Lab Reports Homework Class Participation **Summative Assessments** Chapter and Unit Tests
21st Century Themes and Skills	Predict the weather (CRP8 Critical Thinking and Problem Solving) Track a hurricane (CRP8 Critical Thinking and Problem Solving)	Design and complete a science experiment (CRP8 Critical Thinking and Problem)	Evaluate fossil evidence for theory of plate tectonics (CRP8 Critical Thinking and Problem)	Build series and parallel circuits (CRP8 Critical Thinking and Problem) Build and test an electromagnet (CRP8 Critical Thinking and Problem)