PROJECT CALENDAR				
Project: Our Playground Matters!			**Time Frame:** 20 Days	
Day 1	Day 2	Day 3	Day 4	Day 5
Notes				
****Entry Event**** A playground designer/engineer is invited to come speak to the students about the process of designing and building a school playground.	****Entry Event Day 2**** What do you think of the school playground? Students write a critique of what they like and dislike about the current playground.	**Solids** See DEC for instructional clarifications (2nd) P.PM.02.12 Describe objects and substances according to their properties (color, size, shape, texture, hardness, liquid or solid, sinking or floating) (4th) P.PM.04.23 Compare and contrast the states (solids, liquids, gases) of matter. (4th) P.PM.04.16 Measure the weight (spring scale) and mass (balances in grams or kilograms) of objects.	**Solids** See DEC for instructional clarifications (2nd) P.PM.02.12 Describe objects and substances according to their properties (color, size, shape, texture, hardness, liquid or solid, sinking or floating) (2nd) P.PM.02.13 Measure the length of objects using rulers (centimeters) and meter sticks (meters). (4th) P.PM.04.16 Measure the weight (spring scale) and mass (balances in grams or kilograms) of objects.	**Solids** See DEC for instructional clarifications (2nd) P.PM.02.12 Describe objects and substances according to their properties (color, size, shape, texture, hardness, liquid or solid, sinking or floating) (2nd) P.PM.02.15 Compare the weight of objects using balances. (4th) P.PM.04.23 Compare and contrast the states (solids, liquids, gases) of matter. (4th) P.PM.04.16 Measure

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Notes: DAILY JOURNAL ENTRY TO MONITOR LEARNING OUTCOMES				
Day 6	Day 7	Day 8	Day 9	Day 10
Liquids See DEC for instructional clarifications (2nd) P.PM.02.12 Describe objects and substances according to their properties (color, size, shape, texture, hardness, liquid or solid, sinking or floating) (2nd)(P.PM.02.14 Measure the volume of liquids using common measuring tools (graduated measuring cups, measuring spoons, graduated cylinders, and beakers).	**Liquids** See DEC for instructional clarifications (2nd) P.PM.02.12 Describe objects and substances according to their properties (color, size, shape, texture, hardness, liquid or solid, sinking or floating) (2nd) P.PM.02.14 Measure the volume of liquids using common measuring tools (graduated measuring cups, measuring spoons, graduated cylinders, and beakers). (4th) P.PM.04.17 Measure	**Gas** See DEC for instructional clarifications (2nd) P.PM.02.12 Describe objects and substances according to their properties (color, size, shape, texture, hardness, liquid or solid, sinking or floating) (4th) P.PM.E.2 States of Matter- Matter exists in several different states: solids, liquids, and gases. Each state of matter has unique physical properties. Gases are easily compressed, but liquids and solids do not compress easily. Solids have their own	**Mixtures** See DEC for instructional clarifications. (2nd) P.PM.02.41 Recognize that some objects are composed of a single substance (water, sugar, salt) and others are composed of more than one substance (salt and pepper, mixed dry beans). (4th) S.IP.04.15 Make accurate measurements with appropriate units (millimeters centimeters, meters, milliliters, liters, Celsius, grams, seconds, minutes) for the measurement tool.	**Solutions** See DEC for instructional clarifications. (2nd) P.PM.02.41 Recognize that some objects are composed of a single substance (water, sugar, salt) and others are composed of more than one substance (salt and pepper, mixed dry beans.) (4th) S.IP.04.15 Make accurate measurements with appropriate units (millimeters centimeters, meters, milliliters, liters, Celsius, grams, seconds, minutes) for the measurement tool.

(4th) P.PM.04.17 Measure volumes of liquids in milliliters and liters. (4th) S.IP.04.14 Manipulate simple tools that aid observation and data collection (for example: hand lens, balance, ruler, meter stick, measuring cup, thermometer, spring scale, stop watch/timer, graduated cylinder/beaker).	volumes of liquids in milliliters and liters. (4th) S.IP.04.14 Manipulate simple tools that aid observation and data collection (for example: hand lens, balance, ruler, meter stick, measuring cup, thermometer, spring scale, stop watch/timer, graduated cylinder/beaker).	particular shapes, but liquids and gases take the shape of the container.		
NOTES: DAILY JOURNAL ENTRY TO MONITOR LEARNING OUTCOMES				
Day 11	Day 12	Day13	Day 14	Day 15
Notes:				

Project preparation and research begins Introduce driving question model graphic organizers and note-taking Students present project ideas to peers Peers provide feedback both negative and positive	**Project preparation and research begins** teacher guides student led discussions, research, ideas, and progress throughout week three	**Project preparation and research begins** teacher guides student led discussions, research, ideas, and progress throughout week three	**Project Preparation** • Research outline • Drafts • Materials • Graphic organizers • Teacher conference	**Project Preparation** FISH BOWL • Read aloud relevant texts
Day 16	Day 17	Day18	Day 19	Day 20
Notes				
Project Preparation • Complete individual reports • Continue group work • Teacher conference • Review for quiz:	**Project Preparation** • Complete individual reports • Continue group work • Teacher conference • Review for quiz:	**Project Preparation** • Complete individual reports • Continue group work • Exemplar project/reports • Teacher conference	**Project Presentations** • Surveys • Rubrics • Public Audience	**Project Presentations** • Surveys • Rubrics • Public Audience