Grade Level 8

Unit Vocabulary

Cleavage stage, yolk, blastoderm, candling, embryo, albumen, allantois, amnion, humidity. Egg tooth

Monday 5-9-16 (Milestone Testing in morning)

CC Standard

S8CS1. Students will explore the importance of curiosity, honesty, openness, and skepticism in science and will exhibit these traits in their own efforts to understand how the world works.

a. Understand the importance of—and keep—honest, clear, and accurate records in science.

b. Understand that hypotheses can be valuable even if they turn out not to be completely accurate.

S8CS3. Students will have the computation and estimation skills necessary for analyzing data and following scientific explanations.

a. Analyze scientific data by using, interpreting, and comparing numbers in several equivalent forms, such as integers, fractions, decimals, and percents.

b. Find the mean, median, and mode and use them to analyze a set of scientific data.

c. Apply the metric system to scientific investigations that include metric to metric conversions (i.e., centimeters to meters).

d. Decide what degree of precision is adequate, and round off appropriately.

e. Address the relationship between accuracy and precision.

f. Use ratios and proportions, including constant rates, in appropriate problems.

	Science	STEM
Instructional Strategies/	exploration/art/group	exploration/art/group
Resources Used:	work/technology	work/technology
Learning Target	I can collect data and display it.	I can collect data and display it.
Activating:	Duck Coop http://www.bing.com/videos/search? <u>a=building+a+duck+coop&adlt=strict&</u> view=detail∣=834B930244D5CD4 5370A834B930244D5CD45370A&FOR M=VRDGAR Duck Pond http://www.bing.com/videos/search? <u>a=Building+a+Small+Duck+Pond&adlt</u> <u>=strict&view=detail∣=51C9C89D7</u> 6709909205F51C9C89D76709909205F &FORM=VRDGAR	Duck Coop http://www.bing.com/videos/searc h?q=building+a+duck+coop&adlt=s trict&view=detail∣=834B93024 4D5CD45370A834B930244D5CD45 370A&FORM=VRDGAR Duck Pond http://www.bing.com/videos/searc h?q=Building+a+Small+Duck+Pond &adlt=strict&view=detail∣=51C 9C89D76709909205F51C9C89D767 09909205F&FORM=VRDGAR

Class Activity:	 Introduce duck pond/duck coop project Students will watch videos to determine what materials are needed to construct a coop and pond. Students will work in groups of 2 to design a coop and pond. Diagram must be drawn with 	 Introduce duck pond/duck coop project Students will watch videos to determine what materials are needed to construct a coop and pond. Students will work in groups of 2 to design a coop and pond.
	dimensions (including area and perimenter). Project will continue throughout the entire week.	Coop and pond. Diagram must be drawn with dimensions (including area and perimenter). Project will continue throughout the entire week
Assessment	Teacher observation of progress	Teacher Observation of progress
Homework:		
Differentiation:	Peer groups	
Tuesday 5/10/16		

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f. Use ratios and proportions, including constant rates, in appropriate problems.

(development of a gas, formation of precipitate, and change in color).

	Science 1 st , 2 nd , 3 rd Block	Stem 4 th Block
Instructional Strategies/ Resources Used:		
Learning Target		
Activating		
Class Activity	8th Grade Field Trip.	8th Grade Field Trip.
Homework:		
Differentiation:		
Wednesday 5/3/16		
CC Standard S8CS1. Students will explore the importance of curiosity, honesty, openness, and skepticism in science and will exhibit these traits in their own efforts to understand how the world works. a. Understand the importance of—and keep—honest, clear, and accurate records in science. b. Understand that hypotheses can be valuable even if they turn out not to be completely accurate. S8CS3. Students will have the computation and estimation skills necessary for analyzing data and following scientific explanations. a. Analyze scientific data by using, interpreting, and comparing numbers in several equivalent forms, such as integers, fractions, decimals, and percents. b. Find the mean, median, and mode and use them to analyze a set of scientific data. c. Apply the metric system to scientific investigations that include metric to metric conversions (i.e., centimeters to meters). d. Decide what degree of precision is adequate, and round off appropriately. e. Address the relationship between accuracy and precision. f. Use ratios and proportions, including constant rates, in appropriate problems.		
	Science 1 st , 2 nd , 3 rd , Block	Stem 4 th Block
Instructional Strategies/ Resources Used:	Student Technology/data collection	Student Technology/data collection
Learning Target	I can collect and display data.	I can collect and display data.
Activating:		

Class Activity:	 Continue planning duck pond and coop by compiling list of materials needed. Begin sketching plan for pond and coop and displaying measurements. Use Ipads to price check materials (if time) 	 Continue planning duck pond and coop by compiling list of materials needed. Begin sketching plan for pond and coop and displaying measurements. Use Ipads to price check materials (if time).
Assessment:	Progress monitor coop/pond project	Progress monitor coop/pond project
Homework:		
Differentiation:		
Thursday 5/11/16		
 and will exhibit these traa a. Understand th b. Understand th accurate. S8CS3. Students will hav following scientific expla a. Analyze scientific forms, such as integers, f b. Find the mean c. Apply the metric (i.e., centimeters to metric d. Decide what d e. Address the read f. Use ratios and 	fic data by using, interpreting, and compa ractions, decimals, and percents. , median, and mode and use them to ana ic system to scientific investigations that ers). egree of precision is adequate, and round lationship between accuracy and precision proportions, including constant rates, in a	by the world works. ar, and accurate records in science. by turn out not to be completely necessary for analyzing data and aring numbers in several equivalent lyze a set of scientific data. include metric to metric conversions d off appropriately. on. appropriate problems.
	Geience 1 ^{st,} 2 nd , 3 rd Block Student technology	Stem 4 th Block Student technology
	can collect data and display it.	I can collect data and display it.

	 Students will continue coop/pond project. Using computer lab to look up resources. Students will post on duck blog. 	 Students will continue coop/pond project. Using computer lab to look up resources. Students will post on duck blog.
Assessment:		Web Quest Report
Homework:		
Differentiation:		
Friday 5/13/16		
a. Understand t b. Understand t accurate. S8CS3. Students will ha following scientific expl	raits in their own efforts to understand h he importance of—and keep—honest, cle hat hypotheses can be valuable even if th ve the computation and estimation skills lanations. tific data by using, interpreting, and comp	ear, and accurate records in science. ey turn out not to be completely a necessary for analyzing data and
b. Find the mea c. Apply the me (i.e., centimeters to met d. Decide what e. Address the r	degree of precision is adequate, and roun elationship between accuracy and precisi I proportions, including constant rates, in	alyze a set of scientific data. t include metric to metric conversions d off appropriately. on. appropriate problems.
b. Find the mea c. Apply the me (i.e., centimeters to met d. Decide what e. Address the r f. Use ratios and	n, median, and mode and use them to an tric system to scientific investigations that ters). degree of precision is adequate, and roun elationship between accuracy and precisi proportions, including constant rates, in Science 1 st Block	alyze a set of scientific data. t include metric to metric conversions d off appropriately. on. appropriate problems. Stem 4 th Block
b. Find the mea c. Apply the me (i.e., centimeters to met d. Decide what e. Address the r	n, median, and mode and use them to and tric system to scientific investigations that ters). degree of precision is adequate, and roun elationship between accuracy and precisi I proportions, including constant rates, in	alyze a set of scientific data. t include metric to metric conversions d off appropriately. on. appropriate problems.
b. Find the mea c. Apply the me (i.e., centimeters to met d. Decide what o e. Address the r f. Use ratios and Instructional Strategies/ Resources	n, median, and mode and use them to an tric system to scientific investigations that ters). degree of precision is adequate, and roun elationship between accuracy and precisi proportions, including constant rates, in Science 1 st Block exploration/art/group	alyze a set of scientific data. t include metric to metric conversions d off appropriately. on. appropriate problems. Stem 4 th Block
b. Find the mea c. Apply the me (i.e., centimeters to met d. Decide what e. Address the r f. Use ratios and Instructional Strategies/ Resources Used:	n, median, and mode and use them to an tric system to scientific investigations that ters). degree of precision is adequate, and roun elationship between accuracy and precisi proportions, including constant rates, in Science 1 st Block exploration/art/group work/technology	alyze a set of scientific data. t include metric to metric conversions d off appropriately. on. appropriate problems. <u>Stem 4th Block</u> Direct instruction/art/group work

	?q=Building+a+Small+Duck+Pond&adIt=strict&view=detail∣=51C9C89D76709909205F51C9C89D76709909205F&FORM=VRDGAR	q=Building+a+Small+Duck+Pond&adlt=strict&view=detail∣=51C9C89D76709909205F51C9C89D76709909205F&FORM=VRDGAR
Class Activity:	 6. Introduce duck pond/duck coop project 7. Students will watch videos to determine what materials are needed to construct a coop and pond. 8. Students will work in groups of 2 to design a coop and pond. Diagram must be drawn with dimensions (including area and perimenter). Project will continue next week. 	 Introduce duck pond/duck coop project Students will watch videos to determine what materials are needed to construct a coop and pond. Students will work in groups of 2 to design a coop and pond. Diagram must be drawnwith dimensions (including area and perimenter). Project will continue next week.
Assessment:	Diagram	Diagram
Homework:		
Differentiation:		