Grade:	<u>5</u>		
Subject: _		Science_	

<u>Unit</u> Controlled Studies

Essential Question #1	
	What is a problem statement?
Essential Question #2	
	What is a hypothesis?
Essential Question #3	
	What are the three types of variables?
Essential Question #4	
	How do you draw conclusions using a controlled study?
Essential Question #5	

Grade: 5	Essential Question #1
Subject: Science	What is a problem statement?
Unit: Controlled Studies	

Objective/Skill #1	Define a problem statement	K, C
Objective/Skill #2	Identify a problem statement	K, C
Objective/Skill #3	Formulate a problem statement	S
Objective/Skill #4		
Objective/Skill #5		

- Reference sheet A
- Record sheet A
- Vocabulary sheet

Grade: 5	Essential Question # 2
Subject: Science	What is a hypothesis?
Unit:Rocks and Minerals _	

Objective/Skill #1	Define a hypothesis	K, C
Objective/Skill #2	Identify a hypothesis	K,C
Objective/Skill #3	Formulate a hypothesis	S
Objective/Skill #4		
Objective/Skill #5		

- Reference sheet A
- Record sheet A
- Vocabulary sheet

Grade: 5	Essential Question #3
Subject: Science	What are the three types of variables?
Unit: Controlled Studies	

Objective/Skill #1	Define manipulated, dependent and controlled variables	K, C
Objective/Skill #2	Identify manipulated, dependent and controlled variables	K, C
Objective/Skill #3		
Objective/Skill #4		
Objective/Skill #5		

- Record sheet B
- Record sheet C
- Record sheet D
- Vocabulary sheet

Grade: 5	Essential Question #4
Subject: Science	How do you draw conclusions using a controlled study?
Unit: Controlled Studies	

CT LEVEL K. C

Objective/Skill #1	Define conclusion	K, C
Objective/Skill #2	Identify conclusion	K, C
Objective/Skill #3	Formulate a conclusion	S
Objective/Skill #4		
Objective/Skill #5		

- Record sheet B
- Record sheet C
- Record sheet D
- Vocabulary sheet

Grade: 5 Subject: Sc	ience		<u>Jnit</u> and Crystals
Essential Question #1	L		
	How does a scientist	identify an unknown substance?	
Essential Question #2			
Essential Question #3			
Essential Question #4			

Essential Question #5

Grade:	5	Essential Question #1	
Subject:	Science	How does a scientist identify an unknown subs	stance?
Unit: Powde	ers and Crystals		
			CT LEVEL
Objective/Skill #1	Identify six individual (unknown substances	K, C, AN
Objective/Skill #2	Determine what two su	ubstances were combined to make three unknown mixtures	AP, AN, E, S
Objective/Skill #3			

Activities that you may opt to use with objectives/skills being taught above

• ESTEC Kit

Objective/Skill #4

Objective/Skill #5

Grade:	5	
Subjects	Scionco	

Unit Earth Science- Rocks and Minerals

Essential Question #1	What are identifying characteristics of rocks?
	what are identifying characteristics of focks:
Essential Question #2	What are identifying characteristics of minerals?
Essential Question #3	
Essential Question #4	
Essential Question #5	

Grade: 5	Essential Question #1
Subject: Science	What are identifying characteristics of rocks?
Unit:Rocks and Minerals _	

Objective/Skill #1	Observe rocks	C, AN
Objective/Skill #2	Identify rocks	K, C,
Objective/Skill #3	Classify rocks	AN
Objective/Skill #4	Record data on rocks	K
Objective/Skill #5		

- <u>Destinations in Science- Death Valley</u>
- ESTEC Kit

Grade:	5

Essential Question # 2

Subject: Science

What are identifying characteristics of minerals?

Unit: Rocks and Minerals

CT LEVEL

Objective/Skill #1	Observe minerals	C, AN
Objective/Skill #2	Identify minerals	K, C,
Objective/Skill #3	Classify minerals	AN
Objective/Skill #4	Record data on minerals	K
Objective/Skill #5		

- <u>Destinations in Science- Death Valley</u>
- ESTEC Kit

Grade: 5 Subject: So	 cience	<u>Unit</u> Electromagnetism
Essential Question #1	What is electromag	netism?
Essential Question #2	What are the real-w	orld applications of electromagnetism?

Essential Question #3

Essential Question #4

Essential Question #5

Grade: 5	Essential Question #1
Subject: Science	What is electromagnetism?
Unit:Electromagnetism	

Objective/Skill #1	Create electromagnet	S
Objective/Skill #2	Incorporate the electromagnet in the construction of a buzzer	S
Objective/Skill #3	Construct a simple working motor	S
Objective/Skill #4		
Objective/Skill #5		

- ESTEC Kit
- Destination in Science- TV Studio/ Electricity

Grade: 5	Essential Question #2
Subject: Science	What are the real-world applications of electromagnetism?
Unit: Electromagnetism_	

Create electromagnet		S
Incorporate the electromagnet in the construction of a buzzer		S
Construct a simple working motor		S
	Incorporate the electromagnet in the construction of a buzzer	Incorporate the electromagnet in the construction of a buzzer

- ESTEC Kit
- Destination in Science- TV Studio/ Electricity

Grade:	5	Unit
Subject:	Science	Meet the Creatures

Essential Question #1	What does a mealworm look like?
Essential Question #2	What are the stages in the life cycle of a mealworm?
Essential Question #3	How do mealworms react to various environmental stimuli?
Essential Question #4	
Essential Question #5	

Grade:	5	Essential Question #1	
Subject: S	Science	What does a mealworm look like?	
Unit: Meet th	ne Creatures		
			CT LEVEL
Objective/Skill #1	Observe mealworms	S	C, AN
Objective/Skill #2	Identify parts of the	mealworm	K, C,
Objective/Skill #3			
Objective/Skill #4			
Objective/Skill #5			
Activities that yo	u may opt to use v	vith objectives/skills being taught above	
ESTEC Kit			

Grade:	5	Essential Question #2	
Subject: 5	Science	What are the stages in the life cycle of a mealworm?	
Unit: Meet tl	he Creatures		
			CT LEVEL
Objective/Skill #1	Identify the stages	of development of a mealworm	K, C,
Objective/Skill #2	Diagram and label t	he stages of development	AN
Objective/Skill #3			
Objective/Skill #4			
Objective/Skill #5			
• ESTEC Kit	ou may opt to use v	with objectives/skills being taught above	

Grade:	5	Essential Question #3	
	Science ne Creatures	How do mealworms react to various environmental sti	muli?
Ointincerti	ic orcatares		
			CT LEVEL
Objective/Skill #1	Experiment with stir	muli and observe reactions of the mealworms	AN
Objective/Skill #2	Design and conduct	a controlled study	S
Objective/Skill #3			
Objective/Skill #4			
Objective/Skill #5			
Activities that yo	u may opt to use v	vith objectives/skills being taught above	
• ESTEC kit			