CCC – Cause and Effect: Mechanism and explanation Planning Template

Main Topic/ Question for	
Unit/Lesson	
NGSS standard (s)	

Common of the Dissiplinary Com	Compa	Γ. (C t
Components of the Disciplinary Core Idea	Cause	Effect
Idea		
		<u> </u>

CCC – Energy and Matter: Flows, cycles, and conservation Planning Template

Main Topic/ Question for		
Unit/Lesson		
NGSS standard (s)		
	How does the disciplinary core idea apply to this category?	

	How does the disciplinary core idea apply to this category?
Matter involved	
Flows or cycles of the matter	
Forms of energy	
Transfers/flows of energy	
How the energy drives the motion or cycling of the matter	

CCC – Patterns Planning Template

Main Topic/ Question for		
Unit/Lesson		
NGSS standard (s)		
Components of the Disciplinary Core	What is the Repeating Relationship	What does the pattern provide
Idea	(Pattern) in this Component?	information about?

Components of the Disciplinary Core Idea	What is the Repeating Relationship (Pattern) in this Component?	What does the pattern provide information about?

CCC – Scale, Proportion, and	Quantity
Planning Template	

Main Topic/ Question for	
Unit/Lesson	
NGSS standard (s)	

Component of the Disciplinary Core	What is the scale, proportion or quantity	How do we apply the scale, proportion
Idea:	of focus?	or quantity to the disciplinary core?
iuca.	or rocus:	or quantity to the disciplinary core:

CCC – Stability and Change Planning Template

Main Topic/ Question for			
Unit/Lesson			
NGSS standard (s)			
Г		T	
	System/Topic	System/Topic	
What is remaining stable?			
What is changing?			
What is causing the change?			
What is the timeframe?			

CCC – Structure and Function Planning Template

Main Topic/ Question for			
Unit/Lesson			
NGSS standard (s)			
			_
Components of the Disciplinary Core	Structure	Function	

C		n
Components of the Disciplinary Core	Structure	Function
Idea		

CCC – Systems and System Models Planning Template

Main Topic/ Question for		
Unit/Lesson		
NGSS standard (s)		
		1
	System of Focus:	System of Focus:
Input:		
Output:		
r		
Boundary:		
Components (parts of the system):		
Interactions:		
Nested System:		