

Common Core State Standards

Standards	Climate Data Jam	Ready Set Grow	Insulating You Insulating Earth	Streams and Steam	Water Conservation	Engineering Project
5th Grade						
CCSS.ELA-LITERACY.RI.5.4	*	*	*	*		
CCSS.ELA-LITERACY.SL.5.1	*	*	*	*	*	*
CCSS.MATH.CONTENT.5.G.A.2		*				
6th - 8th Grade						
CCSS.ELA-LITERACY.SL.6-8.1						*
CCSS.ELA-LITERACY.RST.6-8.1				EA		
CCSS.ELA-LITERACY.RST.6-8.3			*		*	
CCSS.ELA-LITERACY.RST.6-8.4	*	*	*	*		
CCSS.ELA-LITERACY.RST.6-8.7	*	*		*		
CCSS.MATH.CONTENT.6.SP.B.5	*		*			
CCSS.MATH.CONTENT.6.RP.A.3.C					*	

EA = Extension Activity

NGSS Performance Expectations

Performance Expectations	Climate Data Jam	Ready Set Grow	Insulating You Insulating Earth	Streams and Steam	Water Conservation	Engineering Project
5th Grade						
5-ESS2-1			*	*		
5-ESS3-1					*	
5-LS1-1		*				
3-5-ETS1-1						*
3-5-ETS1-2						*
Middle School						
MS-PS3-3			*			
MS-ESS2-4				*		
MS-ESS3-2	*			*		
MS-ESS3-3					*	
MS-ESS3-4			*	*		
MS-ESS3-5	*		*			
MS-LS1-5		*				
MS-LS2-1		*				
MS-LS2-4		*				
MS-ETS1-2					*	*

NGSS Science and Engineering Practices

Science and Engineering Practices	Climate Data Jam	Ready Set Grow	Insulating You Insulating Earth	Streams and Steam	Water Conservation	Engineering Project
Asking Questions and Defining Problems	*					*
Developing and Using Models	*	*	*	*	*	
Planning and Carrying Out Investigations						
Analyzing and Interpreting Data	*	*	*			
Using Mathematics and Computational Thinking	*					*
Constructing Explanations and Designing Solutions		*	*	*	*	*
Engaging in Argument from Evidence	*	*		*	*	*
Obtaining, Evaluating, and Communicating Information	*				*	*

NGSS Disciplinary Core Ideas

Disciplinary Core Ideas	Climate Data Jam	Ready Set Grow	Insulating You Insulating Earth	Streams and Steam	Water Conservation	Engineering Project
ESS2.A Earth Materials and Systems			*	*		
ESS2.C The Role of Water in Earth's Surface Processes				*		
ESS3.B Natural Hazards	*			*		
ESS3.C Human Impact on Earth Systems			*	*	*	
ESS3.D Global Climate Change	*		*	*	*	
LS1.B Growth and Development of Organisms		*				
LS1.C Organizations for Matter and Energy Flow in Organisms		*				
LS2.A Interdependent Relationships in Ecosystems		*				
LS2.C Ecosystem Dynamics, Functioning, Resilience		*				
ETS1.A Defining and Delimiting Engineering Problems						*
ETS1.B Developing Possible Solutions					*	*

NGSS Crosscutting Concepts

Crosscutting Concepts	Climate Data Jam	Ready Set Grow	Insulating You Insulating Earth	Streams and Steam	Water Conservation	Engineering Project
Patterns	*					
Cause and Effect		*	*	*	*	*
Scale, Proportion, and Quantity						
Systems and System Models	*	*	*	*	*	
Energy and Matter				*		
Structure and Function						
Stability and Change		*	*	*		