



# OKLAHOMA ACADEMIC STANDARDS

*Presented by:  
Science Museum Oklahoma  
Oklahoma Museum Network*

# Oklahoma Education Standards

## TEACHER'S LOUNGE ACTIVITIES

### WATER FILTRATION

STANDARD	DESCRIPTION	6 <sup>TH</sup>	7 <sup>TH</sup>	8 <sup>TH</sup>	9 <sup>TH</sup> -12 <sup>TH</sup>
ESS2.4	Earth's Systems	•			
ESS2.5	Earth's Systems				•
ESS3.3	Earth and Human Activity		•		
LS2.5	Ecosystems: Interactions, Energy, and Dynamics		•		
LS2.7	Ecosystems: Interactions, Energy, and Dynamics				•

### CAMERA OBSCURA

STANDARD	DESCRIPTION	6 <sup>TH</sup>	7 <sup>TH</sup>	8 <sup>TH</sup>	9 <sup>TH</sup> -12 <sup>TH</sup>
PS4.2	Waves and Their Applications in Technologies	•			
PS4-3	Waves and Their Applications in Technologies				•

### CUP STACKING CODING

COMPUTER SCIENCE STANDARD	DESCRIPTION	6 <sup>TH</sup>	7 <sup>TH</sup>	8 <sup>TH</sup>	9 <sup>TH</sup> -12 <sup>TH</sup>
A.01	Algorithms and Programming	•	•	•	

### ZOETROPE

STANDARD	DESCRIPTION	6 <sup>TH</sup>	7 <sup>TH</sup>	8 <sup>TH</sup>	9 <sup>TH</sup> -12 <sup>TH</sup>
PS4.2	Waves and Their Applications in Technologies	•			
PS4-3	Waves and Their Applications in Technologies				•

## LEVEES THAT LAST

<b>STANDARD</b>	<b>DESCRIPTION</b>	<b>6<sup>TH</sup></b>	<b>7<sup>TH</sup></b>	<b>8<sup>TH</sup></b>	<b>9<sup>TH</sup> -12<sup>TH</sup></b>
ESS2.4	Earth's Systems	•			
ESS2.5	Earth's Systems				•
ESS3.1	Earth and Human Activity				•
ESS3.2	Earth and Human Activity	•			
ESS3.3	Earth and Human Activity		•		
ESS3.4	Earth and Human Activity				•
LS2.7	Ecosystems: Interactions, Energy, and Dynamics				•
<b>SOCIAL STUDIES STANDARD</b>					
4.1	Economics		•		
4.3	Economics	•			

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## BREAKOUT SESSION

### DUSTBOWL

SCIENCE STANDARD	DESCRIPTION	6 <sup>TH</sup>	7 <sup>TH</sup>	8 <sup>TH</sup>	9 <sup>TH</sup> -12 <sup>TH</sup>
ESS2.1	Earth's Systems	•			
ESS2.2	Earth's Systems	•			•
ESS2.4	Earth's Systems	•			•
ESS2.5	Earth's Systems	•			•
ESS2.6	Earth's Systems	•			
ESS3.1	Earth and Human Activity				•
ESS3.2	Earth and Human Activity	•			•
ESS3.3	Earth and Human Activity		•		
ESS3.4	Earth and Human Activity		•		•
LS1.3	From Molecules to Organisms: Structure and Function			•	
LS1.5	From Molecules to Organisms: Structure and Function			•	
LS1.7	From Molecules to Organisms: Structure and Function		•	•	
LS2.1	Ecosystems: Interactions, Energy, and Dynamics.		•		
LS2.4	Ecosystems: Interactions, Energy, and Dynamics		•		
LS2.3	Ecosystems: Interactions, Energy, and Dynamics		•	•	
LS2.5	Ecosystems: Interactions, Energy, and Dynamics		•		
LS2.6	Ecosystems: Interactions, Energy, and Dynamics			•	•
LS2.7	Ecosystems: Interactions, Energy, and Dynamics				•
<b>SOCIAL STUDIES STANDARD</b>					
4.1	Economics		•		
4.2	Economics	•			
4.3	Economics	•			
4.4	Economics				
5.7	Oklahoma History - Dustbowl				•

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## ACTIVITY SESSIONS

### TOO MUCH LIGHT

STANDARD	DESCRIPTION	6 <sup>TH</sup>	7 <sup>TH</sup>	8 <sup>TH</sup>	9 <sup>TH</sup> -12 <sup>TH</sup>
PS4.2	Waves and Their Applications in Technologies	•			
LS2.7	Ecosystems: Interactions, Energy, and Dynamics				•