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## ***Facing the Future* Activities Aligned with Illinois State Science and Social Science Content Standards**

The following charts indicate Illinois State Science and Social Science Standards that are met by lessons in *Facing the Future's* Lesson Guide *Engaging Students through Global Issues* and its associated readings. Many lessons can easily be modified to address additional standards.

(Lessons not included in a particular chart do not meet specific standards in the subject area.)

### **Facing the Future Lessons from *Engaging Students through Global Issues*:**

- |                              |   |
|------------------------------|---|
| 1. Crossword Puzzles         | 21. What's Up With the GDP?                   |
| 2. Global Issues Trivia      | 22. Livin' the Good Life?                     |
| 3. Sides Debate              | 23. What's in the News?                       |
| 4. Making Global Connections | 24. Are You Buying This?!                     |
| 5. From Issue to Opportunity | 25. Life: The Long and Short of It            |
| 6. Is It Sustainable?        | 26. Partners for Health                       |
| 7. Systems Are Dynamic       | 27. Three Faces of Governance                 |
| 8. Bears in the Air          | 28. Taxes: Choices and Trade-offs             |
| 9. How Big is a Billion?     | 29. Take a Step for Equity                    |
| 10. Splash But Don't Crash   | 30. Shop Till You Drop?                       |
| 11. Seeking Asylum           | 31. Let Them Eat Cake!                        |
| 12. Watch Where You Step!    | 32. Everyone Does Better When Women Do Better |
| 13. Now Hear This!           | 33. What's Debt Got to Do With It?            |
| 14. When the Chips Are Down  | 34. Microcredit for Sustainable Development   |
| 15. Farming for the Future   | 35. To Fight or Not to Fight?                 |
| 16. Every Drop Counts!       | 36. Worldview Mingle                          |
| 17. Fueling the Future       | 37. Who Are the Nacirema?                     |
| 18. Biodiversity Connections | 38. Metaphors for the Future                  |
| 19. Toil for Oil             | 39. Deep Space 3000                           |
| 20. Fishing for the Future   | 40. Creating Our Future                       |

### **Key to Standard Alignment:**

X = Activity and Assessment  
W = Writing Connection  
A = Action Project

T = Technology Connection  
M = Math Connection  
L = Lesson Extension

## Science

### *State Goal 11: Inquiry and Design*

**Understand the processes of scientific inquiry and technological design to investigate questions, conduct experiments and solve problems. Students will:**

- A. Know and apply the concepts, principles and processes of scientific inquiry.
- B. Know and apply the concepts, principles and processes of technological design.

### *State Goal 12: Concepts and Principles*

**Understand the fundamental concepts, principles and interconnections of the life, physical and earth/space sciences. Students will:**

- A. Know and apply concepts that explain how living things function, adapt and change.
- B. Know and apply concepts that describe how living things interact with each other and with their environment.
- C. Know and apply concepts that describe properties of matter and energy and the interactions between them.
- D. Know and apply concepts that describe force and motion and the principles that explain them.
- E. Know and apply concepts that describe the features and processes of the Earth and its resources.
- F. Know and apply concepts that explain the composition and structure of the universe and Earth's place in it.

### *State Goal 13: Science, Technology, and Society*

**Understand the relationships among science, technology and society in historical and contemporary contexts. Students will:**

- A. Know and apply the accepted practices of science.
- B. Know and apply concepts that describe the interaction between science, technology and society.

## Science: Middle/Junior High School

FTF Lesson #	11A	11B	12A	12B	12C	12D	12E	12F	13A	13B
7										A
8		X								
10				X						
12										X
13										X
14				X						X
15				X			X			X
16				X			X			X
17				X			X			X
18				X						X
19							X			X
20				X			X			X
21										X
22							X			X
27										X
30										X
32				X						
34										X
35										X
39		W		X						X

### Science: Early High School

FTF Lesson #	11A	11B	12A	12B	12C	12D	12E	12F	13A	13B
7				A						
9				X						X
10				X						X
12										X
13										X
15										X
16										X
17									X	X
18				X						X
19										X
20				X			X		X	X
22				X						X
25				X						
26				X						
30										X
32				X						
39				X						X

### Science: Late High School

FTF Lesson #	11A	11B	12A	12B	12C	12D	12E	12F	13A	13B
7										A
8		X								
10		A								
12										X
13										X
14										X
15										X
16										X
17					X					X
18				X			X			
19					X					X
20				X			X			X
22				X						X
25										X
26										X
27										X
32										X
39		W								W

## Social Science

### *State Goal 14: Political Systems*

**Understand political systems, with an emphasis on the United States. Students will:**

- A. Understand and explain basic principles of the United States government.
- B. Understand the structures and functions of the political systems of Illinois, the United States and other nations.
- C. Understand election processes and responsibilities of citizens.
- D. Understand the roles and influences of individuals and interest groups in the political systems of Illinois, the United States and other nations.
- E. Understand United States foreign policy as it relates to other nations and international issues.
- F. Understand the development of United States political ideas and traditions.

### *State Goal 15: Economics*

**Understand economic systems, with an emphasis on the United States. Students will:**

- A. Understand how different economic systems operate in the exchange, production, distribution and consumption of goods and services.
- B. Understand that scarcity necessitates choices by consumers.
- C. Understand that scarcity necessitates choices by producers.
- D. Understand trade as an exchange of goods or services.
- E. Understand the impact of government policies and decisions on production and consumption in the economy.

### *State Goal 16: History*

**Understand events, trends, individuals and movements shaping the history of Illinois, the United States and other nations. Students will:**

- A. Apply the skills of historical analysis and interpretation.
- B. Understand the development of significant political events.
- C. Understand the development of economic systems.
- D. Understand Illinois, United States and world social history.
- E. Understand Illinois, United States and world environmental history.

### *State Goal 17: Geography*

**Understand world geography and the effects of geography on society, with an emphasis on the United States.**

**Students will:**

- A. Locate, describe and explain places, regions and features on the Earth.
- B. Analyze and explain characteristics and interactions of the Earth's physical systems.
- C. Understand relationships between geographic factors and society.
- D. Understand the historical significance of geography.

### *State Goal 18: Social Systems*

**Understand social systems, with an emphasis on the United States. Students will:**

- A. Compare characteristics of culture as reflected in language, literature, the arts, traditions and institutions.
- B. Understand the roles and interactions of individuals and groups in society.
- C. Understand how social systems form and develop over time.

# Social Science: Middle/Junior High School

(note: † refers to U.S. History; \* refers to World History)

FTF #	14 A	14 B	14 C	14 D	14 E	14 F	15 A	15 B	15 C	15 D	15 E	16 A	16 B	16 C	16 D	16 E	17 A	17 B	17 C	17 D	18 A	18 B	18 C
4															X*				X				
5															X*				X				
6															X*			X	X				
7																		X					
8									X														
9															X*				X				
10																			X				
11															X*				X				
12														X*					X				
13																			X				
14				X							X	T		X†		X†			X				
15							X	X	X	X	X			X*	X*	X†		X	X	X			
16														X*	X*			X	X	X			
17				X	X									X*		X†		X	X				
18																X†		X	X				
19									X					X*		X†		X	X				
20							X			X				X*		X†			X				
21							X								X*				X				
22														X*				X	X				
23				W																			
25							X								X*				X				
26							X								X*				X				
27			X	X			X		X		X											X	
28				X						X	X												
29										X						X*				X			
30							X		X					X*					X				
31														X*	X*				X				
32															X*				X				
33															X*				X				
34							X		X	X												X	
35							X		X						X*								
36																					T		A
37																					X		A
39																			X				

## Social Science: Early High School

(note: † refers to U.S. History; \* refers to World History)

FTF #	14 A	14 B	14 C	14 D	14 E	14 F	15 A	15 B	15 C	15 D	15 E	16 A	16 B	16 C	16 D	16 E	17 A	17 B	17 C	17 D	18 A	18 B	18 C	
4			X								X													
5			X								X													
6							X				X													
8										X														
9											X				X*	X*		X			X			X
10											X						X	W						
11																X*								
12											X					X†		X						
13											X							X						
14											X	T				X†	W	X			T			
15							X		X	X	X				X*	X† *		X	X	X				
16									X	X	X				X*	X† *		X	X	X				
17				X	X				X		X										X			
18			X	X					X		X					X† *			X	X				
19				X	X				X		X										X			
20			X	X					X		X					X†		X	X					
21				X			X	X	X		X												X	
22											X					X†		X						
23				X								X									X		X	
24											X										X		X	
25							X								X*			M						
26			X				X					X			X*									
27	X		X	X		X	X		X		X				X*	X†							X	
28				X			X		X	X	X				X† *	X*							X	
29									X	X	X				X*	X*	X†						X	
30									X		X					X†		X	X	X				
31							X				X				X*	X*								
32																X*					X	X		
33							X	X		X	X				X*	X*						X	X	
34											X				X*								X	
35									X		X												X	
36																					A			
37																					X			
39																		X						
40			X																					

# Social Science: Late High School

(note: † refers to U.S. History; \* refers to World History)

FTF #	14 A	14 B	14 C	14 D	14 E	14 F	15 A	15 B	15 C	15 D	15 E	16 A	16 B	16 C	16 D	16 E	17 A	17 B	17 C	17 D	18 A	18 B	18 C
4				A									X*		X*	X*				X			
5				W									X*	W*	X*	X*				X			
6							X							X*	X*	X*							
7														W*	W*	W*							
9													X*		X*	X*			X	X	X		
10				X									X*		X*	X*		X	X	X	X		
11					X								X*		X*				T				
12							X									X†*		X	X	X			
13							X									X†*		X	X				
14							X					T				X*	W	X	X		X		
15									X	X	X		X*	X*		X†*		X	X	X			
16									X		X				X*	X†*		X	X	X			
17				X	X				X	X	X		X†*	X†*		X†*			X				
18				X											X†*	X†*		X	X	X			
19				X	X				X	X	X		X†*	X†*		X†*			X				
20				X					X		X					X†*		X	X	X			
21			X	X			X				X		X*	X†*	X†*	X†*					X		
22												A			X†*	X†*		X	X			X	X
23				X								X									X		
24								X													X		
25															X*	X*							
26				X								X			X*	X*		A		A			
27			X	X	X						X		X*			X†							
28				X	X		X			X	X			X†*	X*								
29				X					X	X				X*	X*	X†					X		
30				X	X				X	X				X*	X*	X†*		X	X	X	X		

31				X	X		X				X	W		X*	X*								
32				X								X	X*		X*							X	X
33					X		X	X		X	X		X*	X*	X*							X	
34							X			X				X*	X*							X	
35				X	W		X						X*	X*				X	X		X		
36																						T	
38				X									X*	X*	X*	X*						X	X
40			X										X*	X†*	X†*	X†*		X				X	X