Envisioning a Resilient Future

These materials were developed by CIRES Education & Outreach at the University of Colorado Boulder.
https://cires.colorado.edu/outreach/projects/HEARTForce
Setting the Stage

Before beginning to plan for resilience, communities often begin with envisioning what they want their community to look and feel like in 5, 10, or 20 years. A visioning process can help a community focus in on what community resources are most important to them and begin to strategize how to protect those resources and keep them strong in case of a natural hazard or other event.

Photo Credit: CDPHE
Driving Question:
• What do you want your community to be like in twenty years?

Lesson Overview
• **Activity 1** (Engage): What will learning look like in the future?
• **Activity 2** (Explore): What does your ideal future look like?
• **Activity 3** (Explain): Resilience and the Future Reflection
Activity 1

School in America

THEN

NOW

NEXT?

1. What do you think the future of school looks like? School may not have a building where everyone goes to, or it may not be everyday from around 8 to 3:30. If you were to travel in a time machine 20 years into the future, what would you see? Since the future hasn’t happened yet, you cannot be right or wrong. Think about what school was like for your parents, what it’s like for you, and what you think it will be like in 20 years.

Credit: https://www.flickr.com/photos/public-record-office-victoria/815591791
Credit: https://commons.wikimedia.org/wiki/File:STS_Modern_Classroom.jpg

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Activity 2

Sectors of the Colorado Resiliency Framework

THEN

NOW

Economic
- Small Business
- Agriculture
- Tourism

Community
- Land Use/Planning
- Smart Growth
- Floodplain Management
- Emergency Management
- Mitigation
- Governance
- Capabilities
- Culture

Health and Social
- Access to Services
- Physical / Psychological Health
- and Well-Being
- Social Vulnerabilities

Housing
- Affordable Housing
- Accessibility
- Range of Housing Options
- Durable Materials
- Energy Efficiency
- Insurance

Watersheds and Natural Resources
- Environment
- Streams
- Water Quality & Capacity
- Ecosystem/Natural Habitats

Infrastructure
- Transportation
- Green Infrastructure
- Water
- Wastewater
- Solid Waste
- Energy
- Communications
- Public Facilities

Local Resiliency Steering Committee

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Activity 2

Economic Sector

Agriculture

2. What changes do you notice over time in your sector?
3. How do you think these changes in this sector have impacted our lives now, and will impact our lives in the future?
Activity 2

Economic Sector, continued

Tourism

2. What changes do you notice over time in your sector?
3. How do you think these changes in this sector have impacted our lives now, and will impact our lives in the future?
Activity 2

Community Sector

Emergency Management

THEN

NOW

NEXT?

2. What changes do you notice over time in your sector?

3. How do you think these changes in this sector have impacted our lives now, and will impact our lives in the future?
Activity 2

Health and Social Sector

Family

2. What changes do you notice over time in your sector?

3. How do you think these changes in this sector have impacted our lives now, and will impact our lives in the future?
Activity 2

Health and Social Sector, continued

Healthcare

2. What changes do you notice over time in your sector?

3. How do you think these changes in this sector have impacted our lives now, and will impact our lives in the future?
Activity 2

**Housing Sector**

**Homes**

**THEN**

**NOW**

**NEXT?**

2. What changes do you notice over time in your sector?

3. How do you think these changes in this sector have impacted our lives now, and will impact our lives in the future?
Activity 2

Infrastructure Sector

Transportation

2. What changes do you notice over time in your sector?

3. How do you think these changes in this sector have impacted our lives now, and will impact our lives in the future?
Activity 2
Infrastructure Sector, continued

Transportation

2. What changes do you notice over time in your sector?

3. How do you think these changes in this sector have impacted our lives now, and will impact our lives in the future?
Activity 2

4. What resources does your sector provide? Come up with a list of three to five resources in this sector that are important to your daily life.

5. Which of these resources are most important to you? To your community?

6. Which of these resources do you feel are vulnerable to change?

7. What ideas do you have for maintaining important resources in the future?

8. How can improvements in your sector improve the quality of life in your community?
NEXT Slides
Ideas for the Future

(only show these slides if students are having a hard time coming up with ideas on their own)
Activity 2

Economic Sector: Next?

Agriculture

9. What would you like your sector to look like in 20 years?

Credit: https://www.farmflavor.com/oklahoma/oklahoma-local/futuristic-farming/

Credit: https://www.arch2o.com/conversation-mitchell-joachim-arch2o/ Dispatch-terreform-smart-city-farm-1/
Activity 2

Economic Sector: Next?

Tourism

9. What would you like your sector to look like in 20 years?
Activity 2

Community Sector: Next?

Emergency Management

9. What would you like your sector to look like in 20 years?

Driverless ambulances and other technology could take some of the strain off the emergency services, freeing paramedics to deal with high-risk patients where each minute waiting for treatment significantly reduces a patient's chance of surviving.

Credit: https://www.dailymail.co.uk/sciencetech/article-4604114/Driverless-ambulances-future-healthcare.html
9. What would you like your sector to look like in 20 years?
Activity 2

Housing Sector: Next?

Homes

9. What would you like your sector to look like in 20 years?

Credit: https://www.lushome.com/houses-future-10-amazing-futuristic-design-ideas/79686
Activity 2

Infrastructure Sector: Next?

Transportation

9. What would you like your sector to look like in 20 years?

Credit: https://www.highwaysindustry.com/shortlist-announced-for-uk-s-roads-for-the-future-competition/
Credit: https://commons.wikimedia.org/wiki/File:Alex_electric_car.jpg