

# STEAM Designs



Survival



**1**

**Why study Survival?**

**Surviving Outdoors**

**4**

**2**

**STEAM Overview**

**Accessing Water  
Making Shelter  
Making Fire  
Navigating Your Way**

**5**

**3**

**Weather Related  
Emergencies**

**Literacy  
Connections**

**6**

# Agenda



## **Learning and Innovation Skills**

**Creativity and Innovation**  
**Critical Thinking and Problem Solving**  
**Communication**  
**Collaboration**

## **Information, Media and Technology**

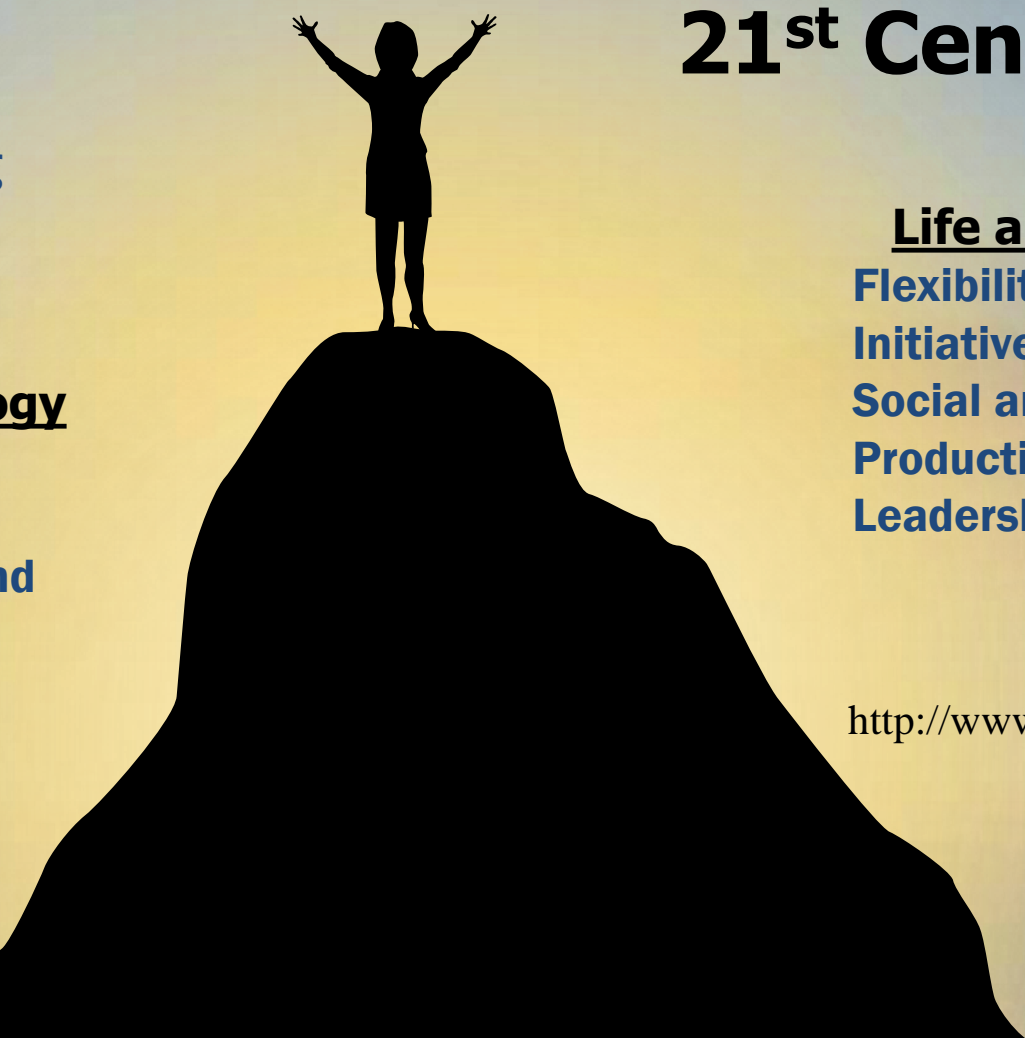
**Information Literacy**  
**Media Literacy**  
**ICT (Information, Communications and  
Technology) Literacy**

# **21<sup>st</sup> Century Skills**

## **Life and Career Skills**

**Flexibility and Adaptability**  
**Initiative and Self-Direction**  
**Social and Cross-Cultural Skills**  
**Productivity and Accountability**  
**Leadership and Responsibility**

<http://www.p21.org/our-work/p21-framework>



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# Weather Related Emergencies

## 4 C's

Create a plan - Students will construct a plan that describes the steps that they will take if they are home during a hurricane, 24 hours and then 6 hours before the hurricane, during the hurricane, and after the hurricane.



A rustic shelter made of sticks and branches is built in a forest. The shelter is a simple, conical structure with a dark interior, supported by several vertical poles. The forest floor is covered in green moss and brown pine needles. The background is filled with tall, thin trees and dense green foliage.

# Surviving Outdoors

## Making Shelter

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# Considerations

Using the activities from the workshop, the resources provided, and your own wherewithal, consider how you would construct this unit:

1. Would you emphasize one element more than another (such as careers or the arts)?
2. Would you incorporate more technology?
3. Would you create engineering activities that utilize more digital tools?
4. What would you do to modify this experience for your students?



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