JASON.org

1) BE ENERGY SMART: DESIGNING SPACE-EFFICIENT & ENERGY-EFFICIENT HOMES

Design an affordable home that is as space-and energy-efficient as possible.

2) LIVING WELL: CREATING FUN WAYS TO STAY ACTIVE AND HEALTHY

Design an active, healthy community space as a solution to help your community live well.

3. VIBRANT NEIGHBORHOOD: GROWING LIVABLE COMMUNITIES WITH GREEN SPACE
Design a solution to increase green spaces to make your community more livable and enjoyable.

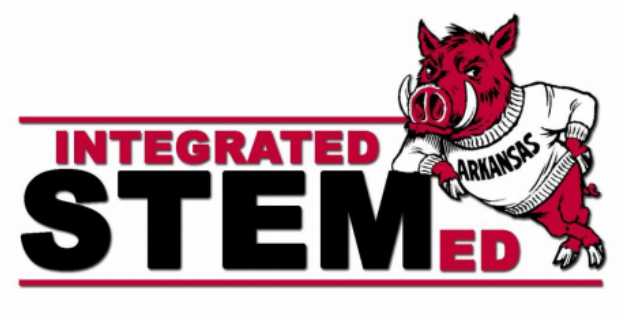
4. WATER WARRIORS: COMMUNITIES FIGHTING FLOODS WITH STEM
Design and prototype flood barriers that can protect your community from flooding.

Connected Storm Sanctuary and Design Thinking Mission: In this innovative STEM learning experience, your middle and high school students will imagine and prototype solutions that use mobile technologies to create a better storm sanctuary: a temporary space where families can come together, connect, engage and be safe during, and immediately after, a natural disaster.

Other Design Challenges from JASON.org

STAR net
Science-Technology Activities & Resources For Libraries

[138 Engineering and Design challenges] that can be used in a classroom, STEM clubs, or family events.



A COLLECTION OF ELEMENTARY STEM DESIGN CHALLENGES BASED CHILDREN'S LITERATURE
[2013 Edition – A Continual Work In Progress]

[Elementary STEM Design Challenges linked with Literacy]



[This is the 2019-2020 challenge], but it would be a great way to engage your students and do a project with your own community.

Keep watch for the competition for the 2020- 2021 challenge.



Purple Plow Design Challenge library

Sharpen critical and creative thinking through ag-related hands on STEM activities. Click here to learn more