

Flood Barriers

Objective: Students will work as a team to design and build a flood barrier for their house.

Materials per group:

- Dishpan
- Water
- Styrofoam cups
- Cotton balls
- Balloons
- Rubber bands
- Straws
- Carton house

Procedures:

1. Place students in groups of 3-6 students.
2. Explain to students that they will work as a team to design and build a flood barrier for their house.
3. Have students complete "What problem do we need to solve?" section in their STREAM journal (5 minutes).
4. Have students complete the "Supplies/Plan" section in their journal (5 minutes).
5. Create structure and test (20 minutes).
6. Complete "What worked" and "What did not work" sections in journal (5 minutes).
7. End with a prayer.

Lord, I pray your hand of safety and guidance upon all the victims of the regions under flood conditions. Bless these people Lord and keep them safe. Do not let the flood waters steal their lives. Drive back the floods to protect their homes and their precious animals. Bless the first responders and the volunteers working to keep people safe. We ask this in Christ our Lord, Amen