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| **Identify problems in the story** |
| Water is not easily accessible. | There isn’t enough water in the town/village for everyone, so people have to travel to get water. |
| The pail is too small to get enough water. | No one is on the hill to help people who can’t make it to the top. |
| Jack and Jill are too injured to get water for themselves. |  |
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| **What problem will you solve?** | **What is your solution?** | **What materials will you need?** |
| 1. Water is not easily accessible.2. Water is not easily accessible. | 1. We will design a pulley system to get water from the well so that people don’t have to climb the hill.2. We will design a pipe system to get water from the well to the bottom of the hill so that no one has to climb the hill to get water.  | 1. rope, a large bucket, pulleys, support beams, wood, shovels, concrete2. shovels, pipes, a spigot, etc.  |
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