



Global Problem Solvers: The Series – Season 1, Working Well

Episode 1.6 – Test and Retest Teaching Companion

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Episode Summary

Installing new technology is only one part of solving a social problem. Even the most thought-out solution will require ongoing data collection, troubleshooting, and maintenance. In this episode, the Global Problem Solvers enlist a team of technologically savvy Malawi teens to help respond to another of the country's most difficult issues: seasonal flooding. To prevent sending technicians out to repair wells that cannot be fixed during the most severe floods, the sensors are adjusted to send out a special signal when a broken well cannot be accessed.

Worksheet

1. How do the Global Problem Solvers modify their sensors for when there's flooding?
2. How were the local students so helpful in finding a solution? Why is this important?
3. Many everyday technologies help address social problems that once seemed impossible to solve. How do you imagine first responders knew of roadside emergencies before mobile phones?
4. What skills are you learning in school that make you an effective global problem solver? What would you like to learn to make you even better at it?