

IoT Challenge



- 1. Flood Damage: Your family has a cabin and are worried that while you are away the water pipes may leak causing a flood. Build an IoT device that can check for water on the floor and send you a text or email warning.
- 2. Food Theft Detector: One of your friends is stealing your left over pizza from the fridge but no one will admit to it, build an IoT device that will detect when someone opens the fridge door, take their picture, and notify you.
- 3 Frost Warning: Hot weather will soon be behind us but you have some late plants in the garden. Build an IoT device that will check the forecast and notify you via text or email if you should cover your plants

For each challenge discuss what potential privacy/security concerns you may have and which principles should be used to provide security