St. Patrick's Day: Lower Elementary

Recommended Read Aloud: **How to Trap a Leprechaun by Sue Fliess**

Using the recommended read aloud, have students brainstorm what they will wish for if they catch a leprechaun, and what they would be upset to lose if the leprechaun comes and takes 'treasure'.

Have students think about what would make a well designed leprechaun trap. Show students sample pictures of leprechaun traps, asking them to identify positives and areas of improvement for each.

Sample images can be found at:
- **Oprah Daily**
- **Moms and Munchkins**

Note: SAM Labs cannot be held responsible for third party links. Please be sure to view the links and select images prior to teaching this lesson with your students.

Provide students with time to sketch out their leprechaun trap, labeling the parts and how it functions.

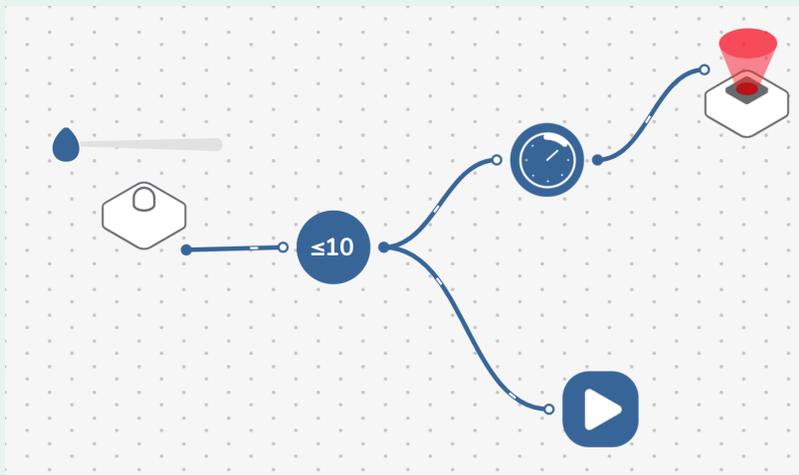Check out our **additional resources** for this lesson, including a brainstorming page!

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Sample Code:

This leprechaun trap alert is designed for a trap which closes once the leprechaun enters, trapping him inside. It alerts you based off of the change in Light Sensor readings. When the trap is open, the light readings are higher, and when the trap closes the light readings decrease. Students can adjust the input based on how their trap works.

Input: Light Sensor
Output: Sound Player, RGB LED
Behaviors: Compare (Numbers), Interval (Time)

Optional Creative Writing Activity:

Students can write a short story about how they caught a leprechaun in their leprechaun trap.

Note: Take a picture of each leprechaun trap to use as the 'illustration' at the top of their story when it comes time to publish. Print each writing page with the image included, for students to write and publish their piece below. Resources for this activity can be found **here**.

Aligned to standards: NGSS (K-2-ETS1-1); CSTA (1A-AP-10); CCSS (W.K.3, W.1.3, W.2.3)