Ten Brick Challenge – Modifying *What is this?*

Explore – Check out the What is this? lesson. Build the model and practice coding. Then, try this Ten Brick Challenge!

A **Constraint** is a limitation or a restriction for completing a certain task. In these challenges your constraint will be to *only* use ten LEGO® bricks or elements to design or modify your model.

Extend – Can you create a new modification with fewer elements? Alternatively, select ten elements for a partner. Are they able to modify the build effectively with the material constraints you selected?

Challenge – Can you modify "The Thing" in this lesson to give it a new and innovative purpose? Design a prototype using The Thing as a base. In this challenge, your prototype should only *add* ten (or fewer) LEGO® bricks or elements to the base model. Share your invention with a peer. Reflect on how the constraints of this challenge influenced your design decisions.