

Ten Brick Challenge – Grabber Designs

Explore – Check out the [Super Cleanup](#) lesson to try out two different grabber designs. 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 design with fewer elements? Alternatively, select ten elements for a partner. Are they able to build effectively with the material constraints you selected?

Challenge – Can you design a grabber that uses ten or fewer LEGO® bricks or elements? You may use the base model for the controller and grabber arm for this challenge, which will not count as part of your ten bricks. Then, try to create or modify the end of the grabber using ten or fewer elements. Test and evaluate your creation. Make modifications to improve your grabber and test again.

