Ten Brick Challenge – Hopper Race Constraints

Explore – Check out the Hopper Race 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 your model.

Extend – If you were able to complete the challenge, can you create an effective robot with <u>less</u> 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 prototype to find the most effective way to move a robot without using wheels. In this challenge, your prototype should only use <u>ten</u> LEGO bricks or elements.

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