

# 20 piece challenge

*A challenge to encourage creative thinking*



## Aim:

To create as many different builds as possible using just 20 bricks.

## Items Needed:

- Just 20 LEGO® (or other construction brand) bricks.

## Activity Instructions:

Step 1: Build an exciting creation with as many of the 20 pieces as possible.

Step 2: Take a photo of your creation.

Step 3: Take apart your creation and repeat steps 1 & 2 as many times as you feel inspired by the pieces you have picked.

Step 3: Make a collage or photo board of your creations (you could use an app such as Pic Collage or Canva to do this).

Step 4: Pick one of the alternatives below and redo steps 1-3. Good Luck!

## Alternatives and extensions

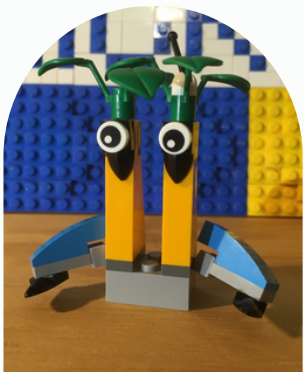
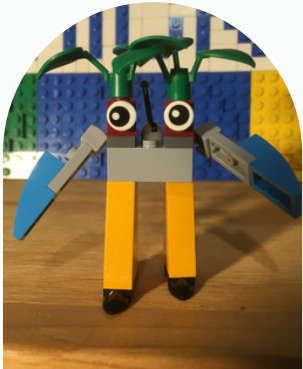
**Math:** Think about including pairs (2 or 4) of pieces so you can build a symmetrical creation.

**Art:** What colours should you include? Could you use just shades of 1 colour?

**Literacy:** Use your creation(s) as inspiration for creative writing and write a story about your creation.

## Change the number of parts used:

- Increase it to 30, or make it more challenging by reducing it to 10 pieces.
- For younger students, use LEGO® DUPLO®\*, and for advanced students, use LEGO® TECHNIC®\*



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