

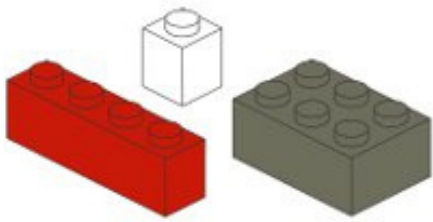
Lego Engineers

Curriculum

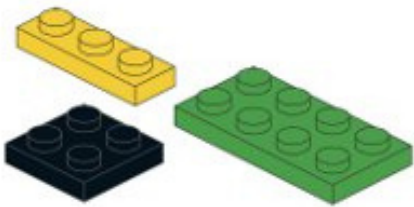


Lego Engineers

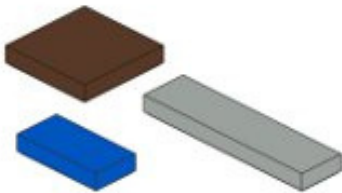
Intro to Lego: Language



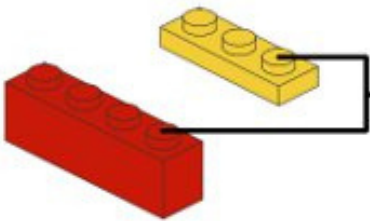
Brick



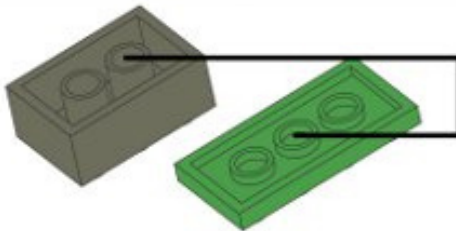
Plate



Tile



Stud /
Knob



Tube

Class Discussion

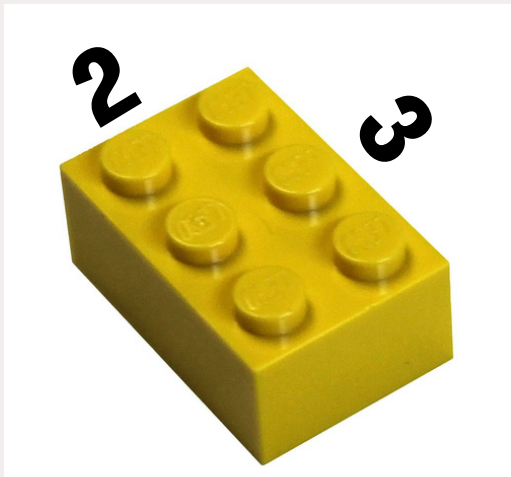
What are the differences between the pieces in this image?

- What makes a piece a “plate” vs. a “brick”?
- What makes a piece a “tile” vs. a “brick” or a “plate”?

It's important that we learn the terms and use the same lego language when working on our builds throughout class.

Lego Engineers

Intro to Lego: Language (continued)



For EX: This piece would be called:
Yellow 2x3 Brick



As a class, let's figure out the name for this piece.
What color is it? How many studs are on the shorter side?
And the longer side? What type of piece is this?

Class Discussion

Now that we know the different piece names, it's time we learn the sizes, as well.

-When we refer to (or talk about) a Lego piece, we use the color, size and the name.

-We find the size of a Lego piece by counting the studs.
The shorter side is always mentioned first.

Lego Engineers

Foundations

Class Discussion

- What does “foundation” mean?
- Why is important to have a solid foundation when working with legos?

Class Activity

Your teacher will copy this build.
Do you think it will stay together as a cube? Why or why not?
How can we improve this design so the cube stays together?

Hint: none of the pieces are overlapping

