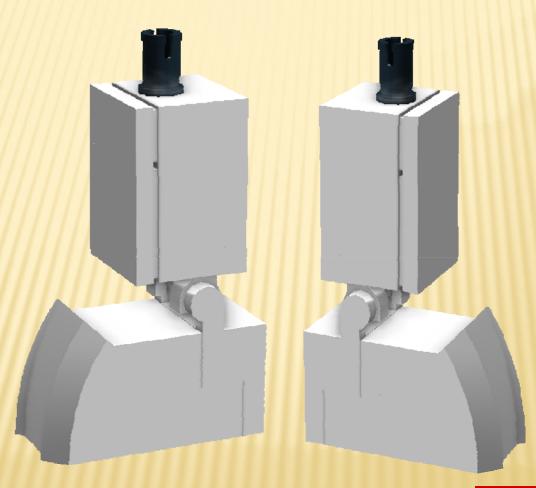


### **CLASS OVERVIEW**

- Building a Mini Musecon Mascot
  - + 197 pieces
  - + We'll try not to rush it
  - + Hints and tricks as we go along
  - Digital files available at <a href="http://www.reasonablyclever.com/musecon">http://www.reasonablyclever.com/musecon</a>
  - + Let's get started, shall we?

## ASSEMBLY - THE LEGS





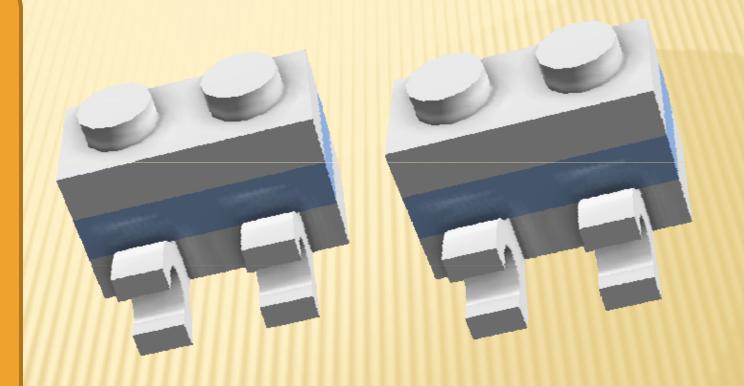
Parts needed for this step:



1x2 plate



1x2 plate with clips





Parts needed for this step: 1x2 brick 2x2 tile Some parts shown in alternate colors for clarity

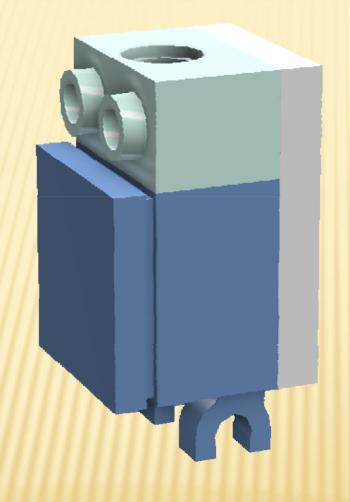


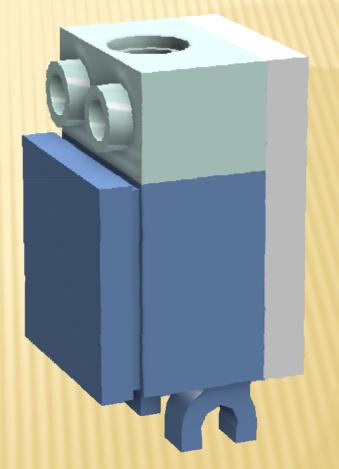
1x2 brick with hole



2x3 plate

x2







Parts needed for this step:



1x2 tile

 $x^2$ 



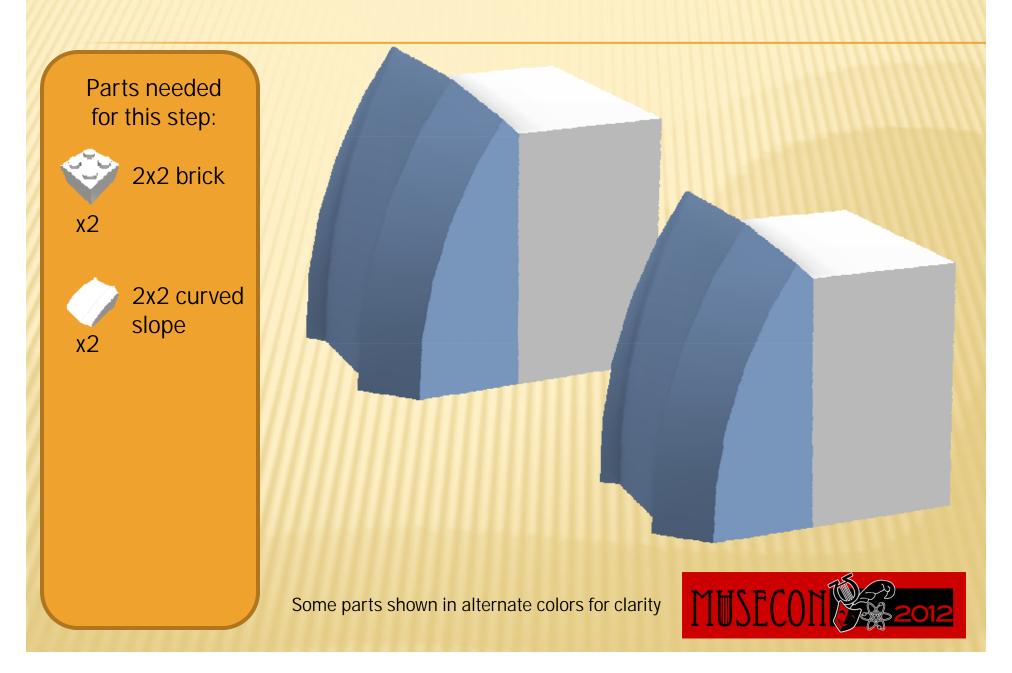
Technic pin

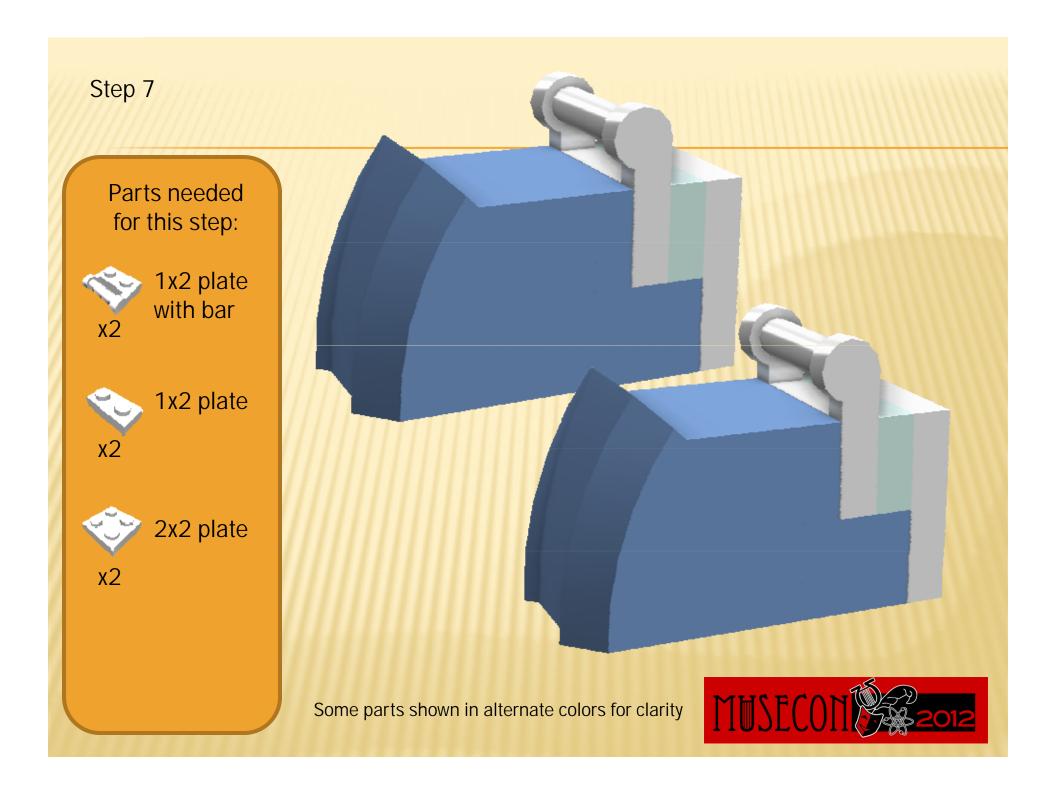
x2





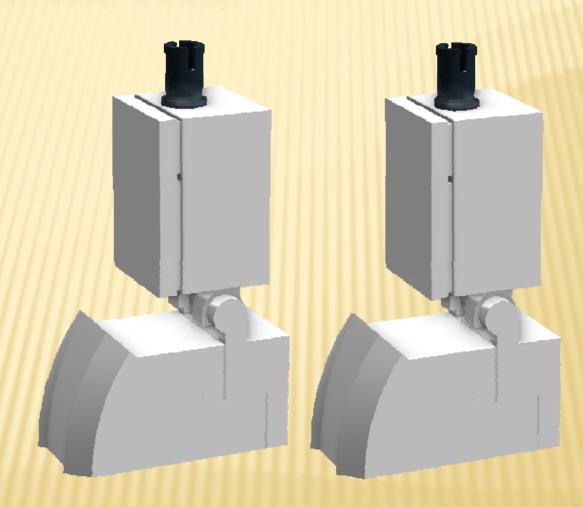






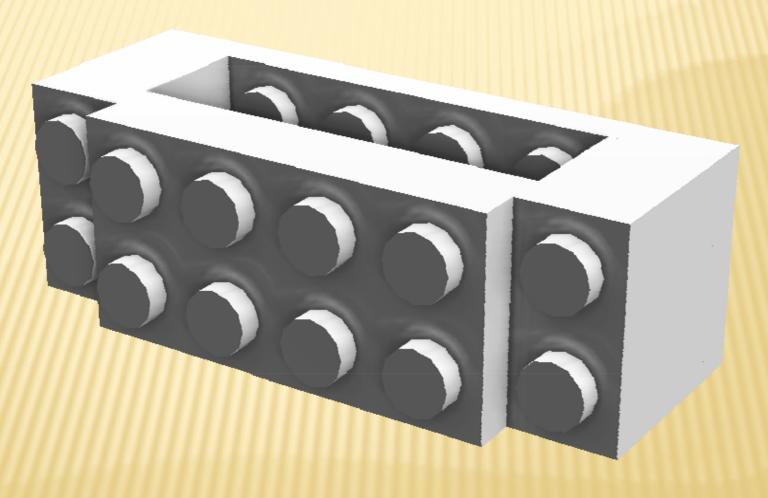
## ASSEMBLE THE LEGS

Parts needed for this step:





# ASSEMBLY - HIPS





Parts needed for this step:



1x2 brick with two holes



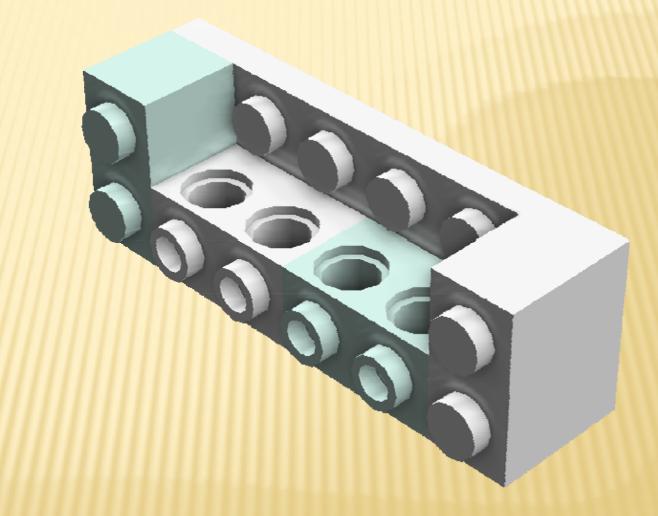
1x2 brick

x 2



2x6 plate

х1







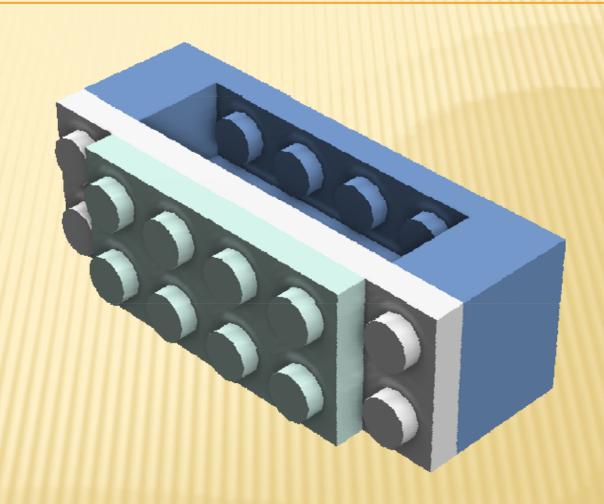
2x4 plate

x1



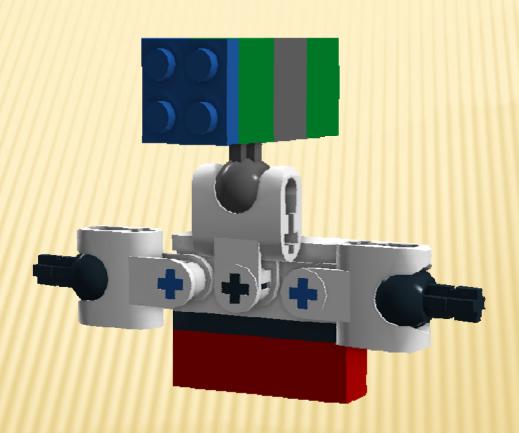
2x6 plate

х1





### ASSEMBLY - NECK AND SHOULDERS





Parts needed for this step:



1x2 brick with + hole



1x1 brick with hole

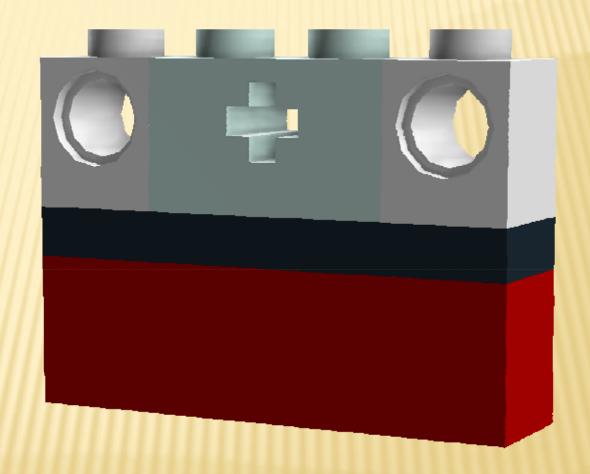


1x4 brick

х1



1x4 plate





Parts needed for this step:



Blue technic pin

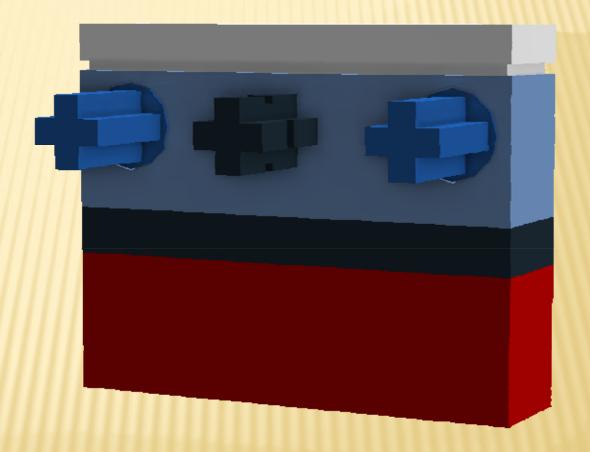


2L Technic axle



1x4 tile

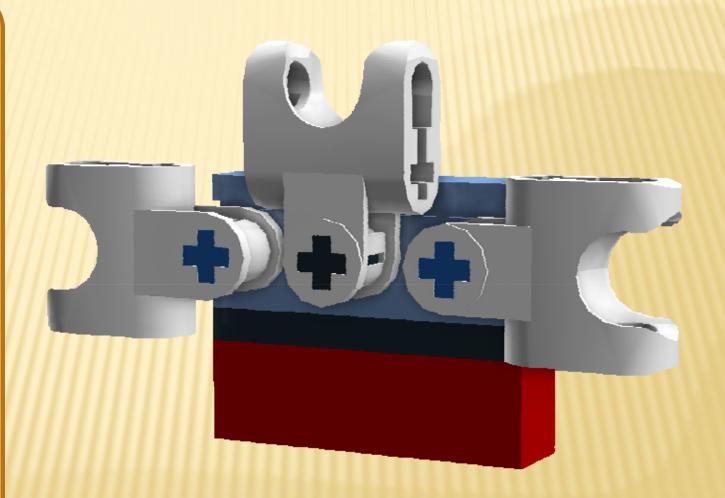
х1







Ball-Socket connector







Voodoo ball

х2

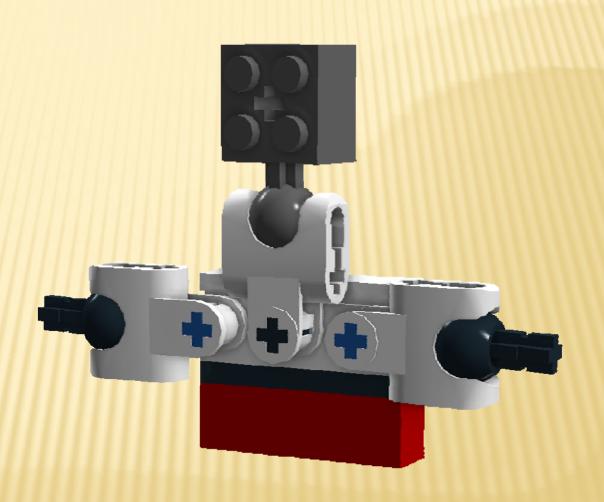


2L Technic axle





2x2 brick with ball joint





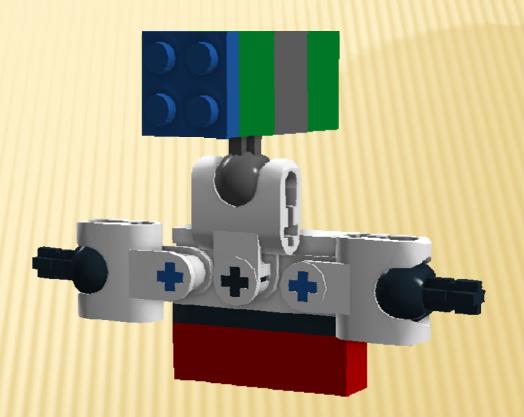


x2



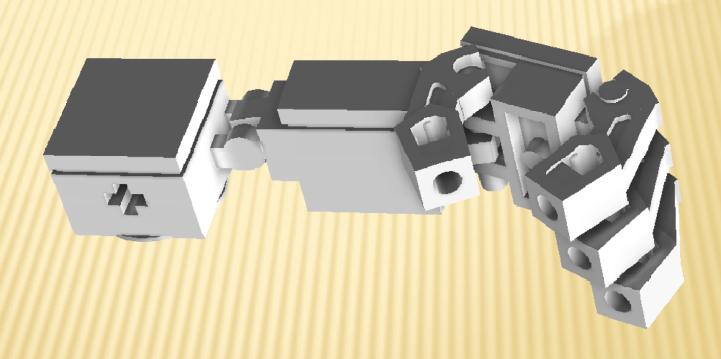
2x2 plate

x 1





### ASSEMBLY - LEFT ARM





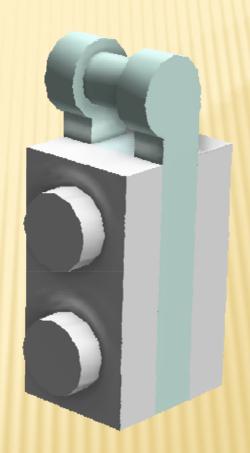


2x1 plate with rod



1x2 plate

x2





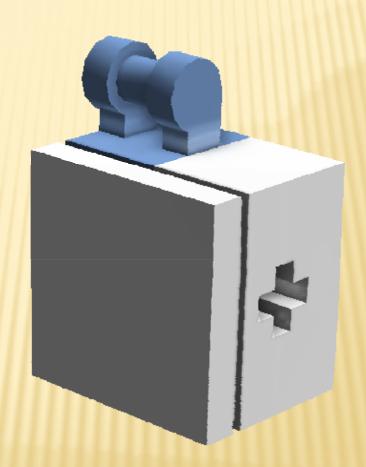


1x2 brick with + hole



2x2 tile

x2



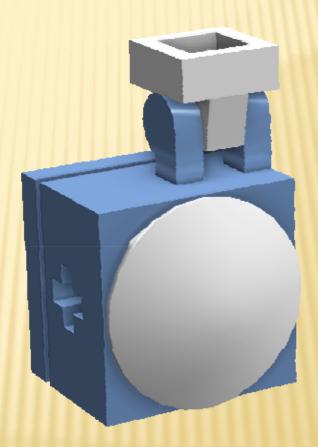




1x1 clip plate



2x2 slider tile





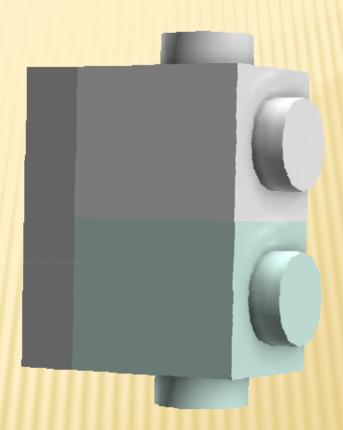


1x1 brick with peg



1x2 plate

х1



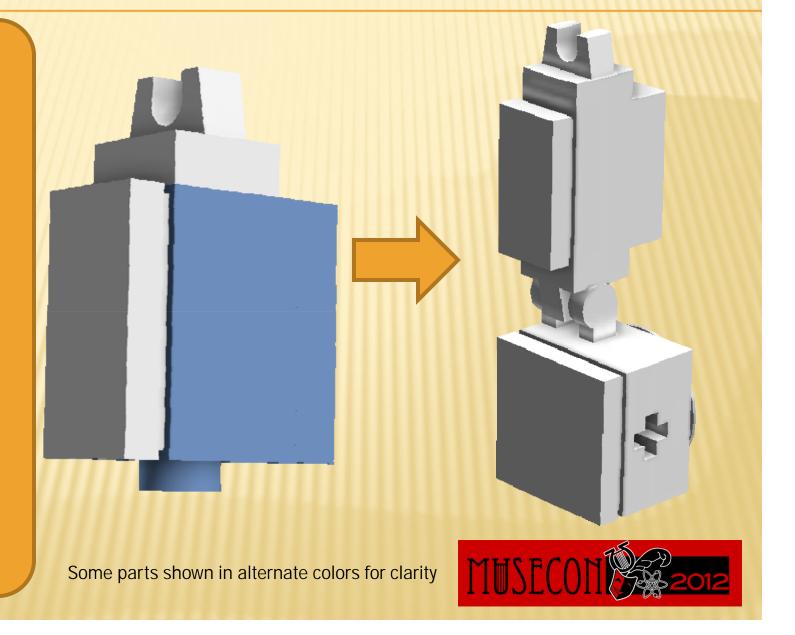




1x2 tile

**x**1

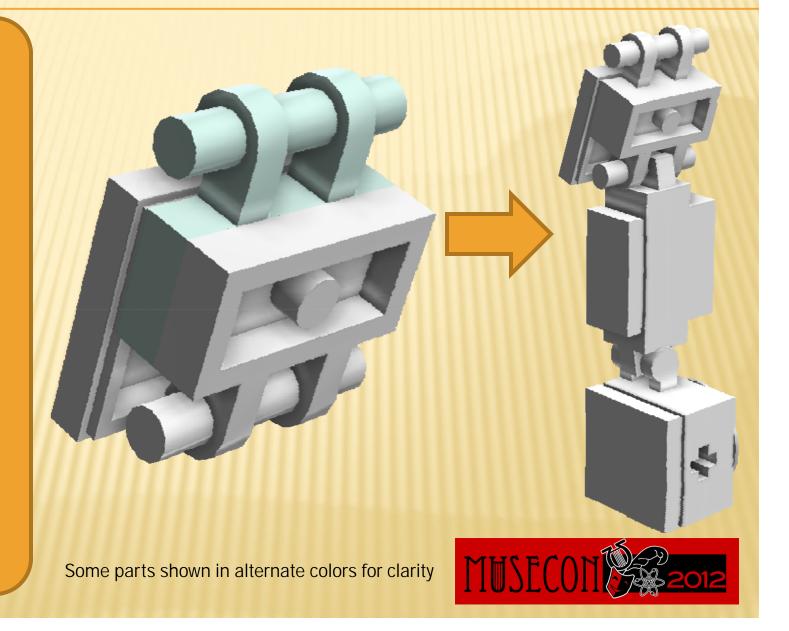






1x2 plate with rod

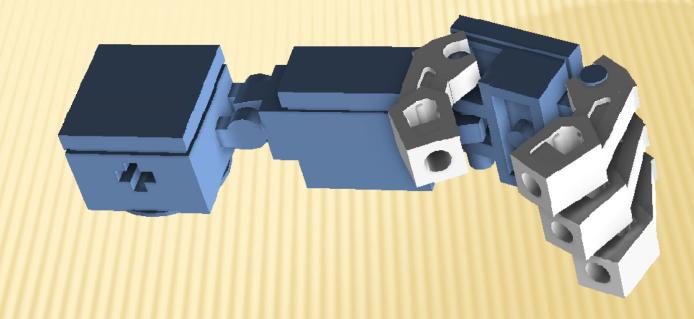






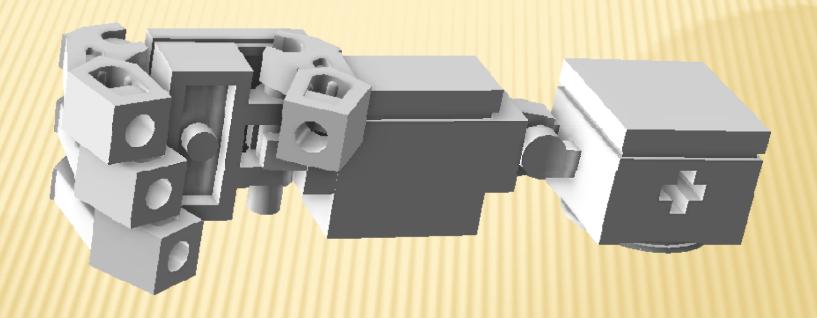
Robot Arm

χ4





### ASSEMBLY - RIGHT ARM





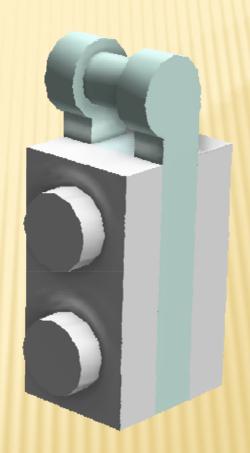


2x1 plate with rod



1x2 plate

x2





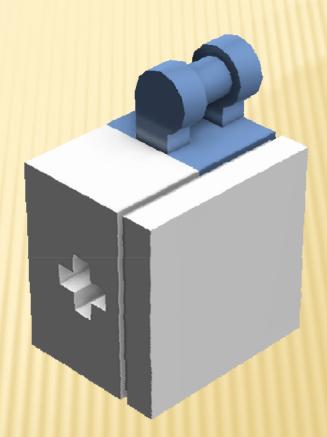


1x2 brick with + hole



2x2 tile

x2



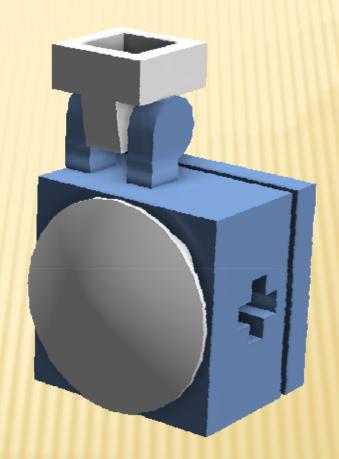




1x1 clip plate



2x2 slider tile





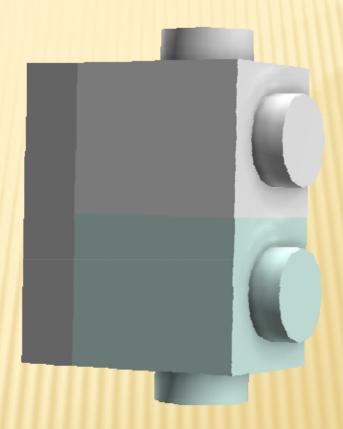


1x1 brick with peg



1x2 plate

х1



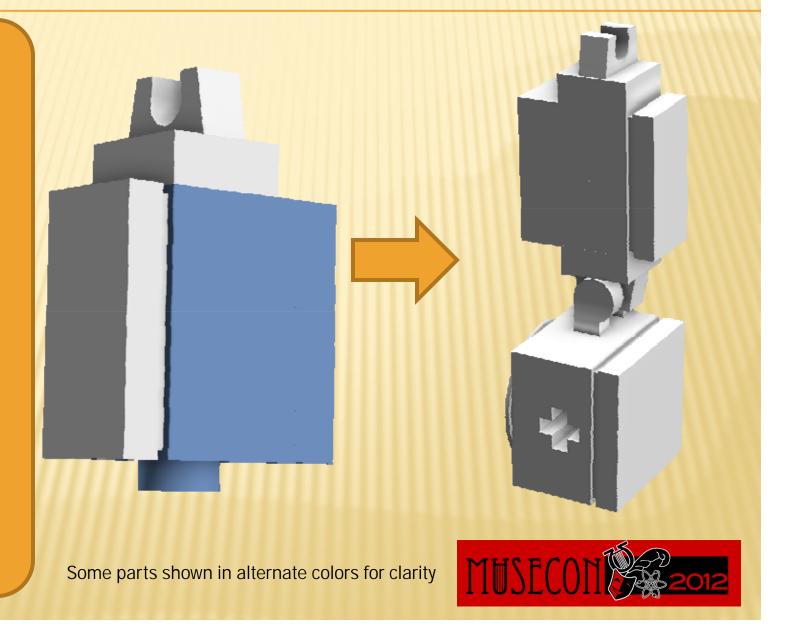




1x2 tile

x 1

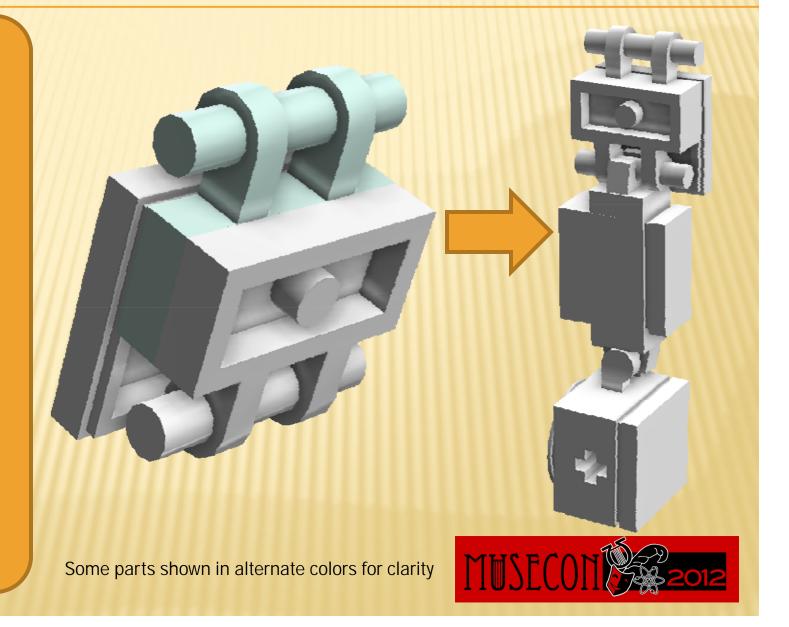






1x2 plate with rod







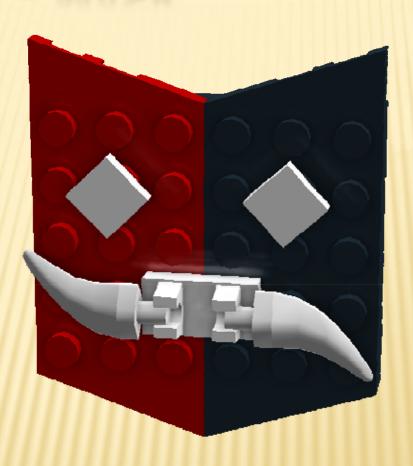
Robot Arm

x4





# ASSEMBLY - MASK







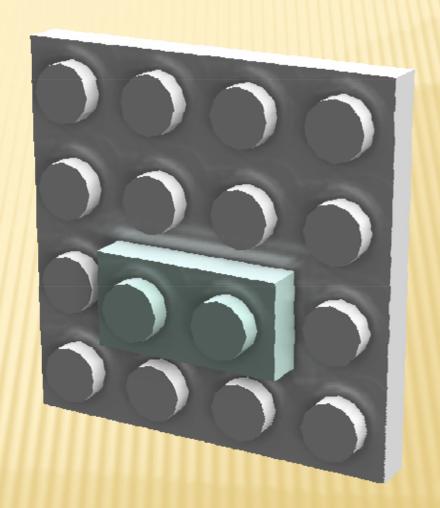
4x4 plate

х1



1x2 plate

x1







2x3 wedge plate



2x3 wedge plate

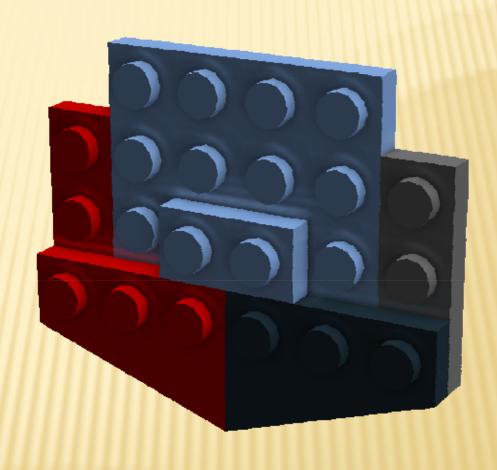


1x3 plate



1x3 plate









2x3 plate

x 1



2x3 plate

**x**1



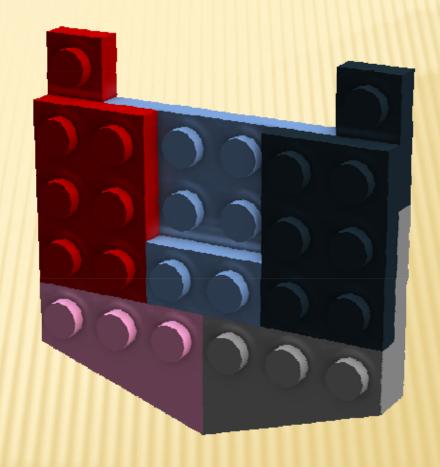
1x2 plate

x1



1x2 plate

х1







1x1 round plate



1x1 round plate



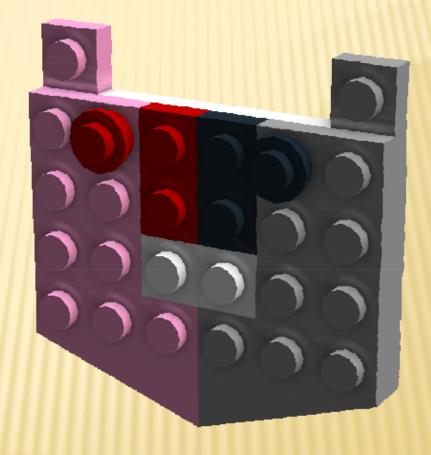
1x2 plate





1x2 plate









2x3 wedge plate



2x3 wedge plate



1x4 plate







1x1 clip plate



1x1 tile

x 2



Tooth

x2





# ASSEMBLY - BACK OF HEAD







4x4 plate

x1



2x4 plate

x 1



2x2 plate

x 1

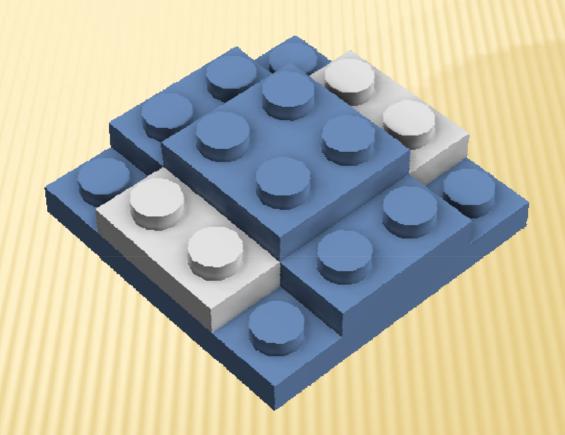






1x2 plate

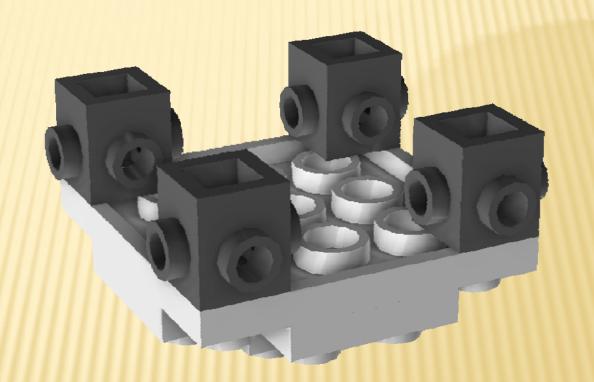
x2







1x1 brick with studs on 5 sides

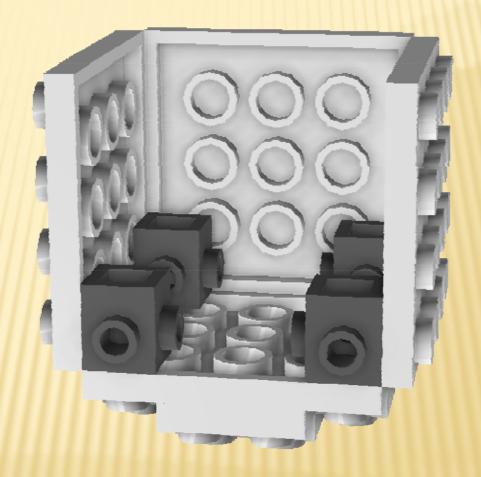






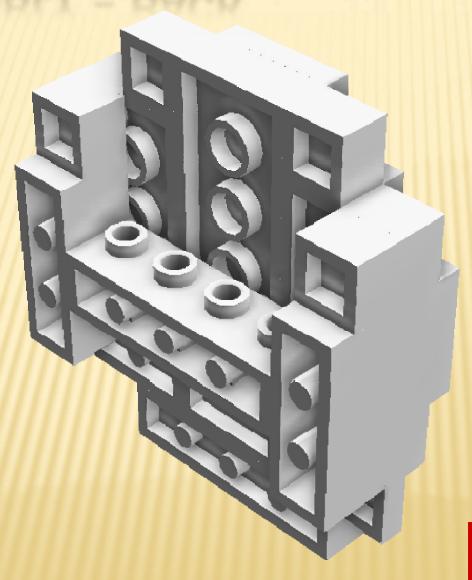
4x4 plate

**x**3





# ASSEMBLY - BACK







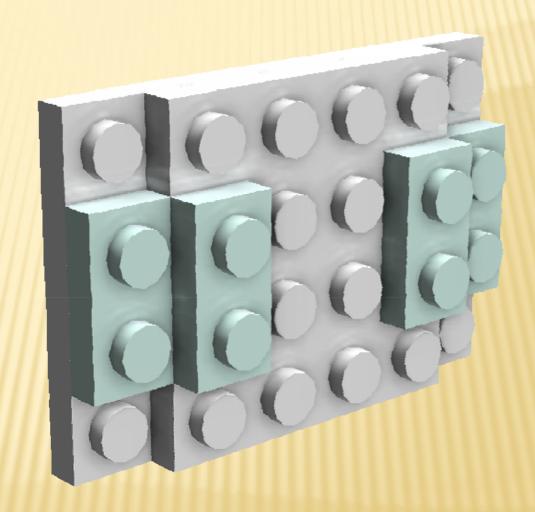
4x4 plate



4x6 plate



1x2 plate







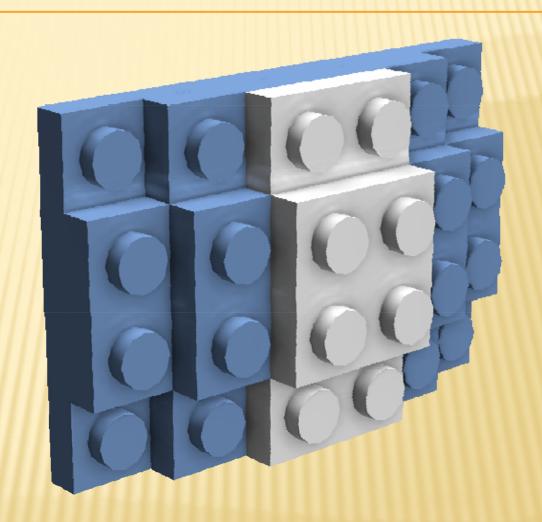
2x4 plate

**x**1



2x2 plate

x 1





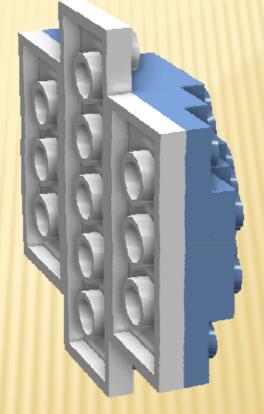


2x4 plate

x2



2x6 plate







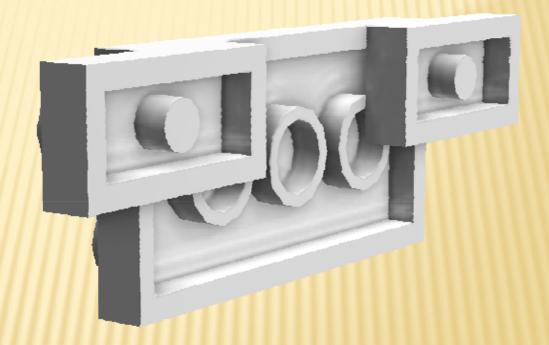
2x4 plate

x 1



1x2 plate

x 2



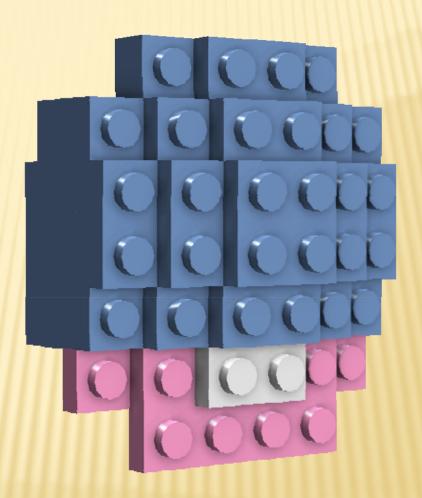






1x2 plate

x 1







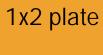
1x4 plate

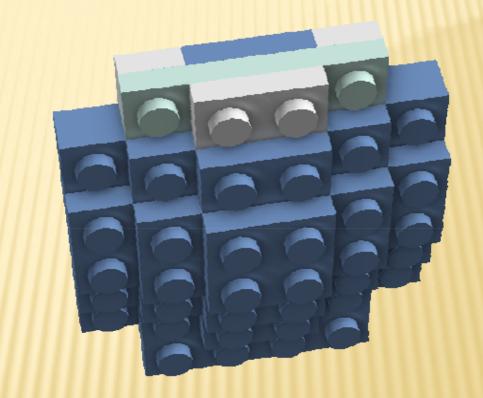
х1



1x1 plate











1x4 plate

х1



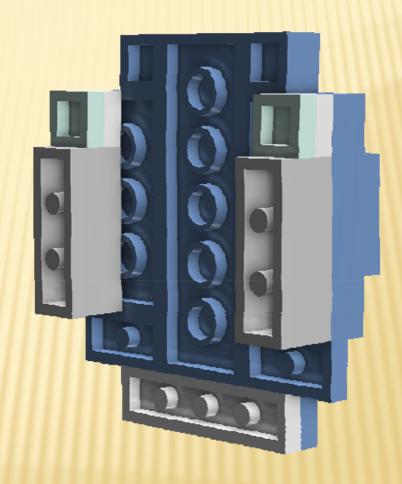
1x1 plate

**x**4



1x3 brick

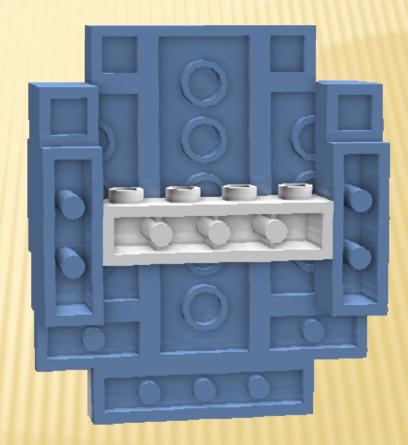
x2





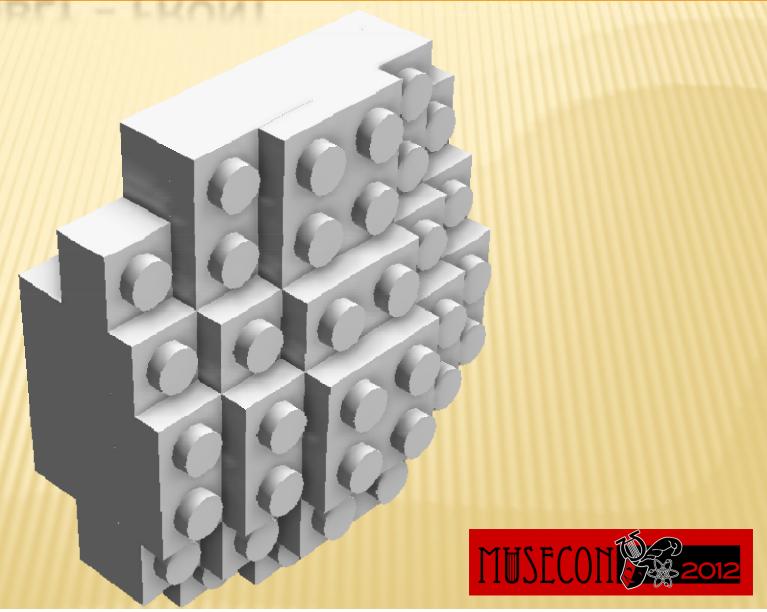


1x4 brick with studs





# ASSEMBLY - FRONT





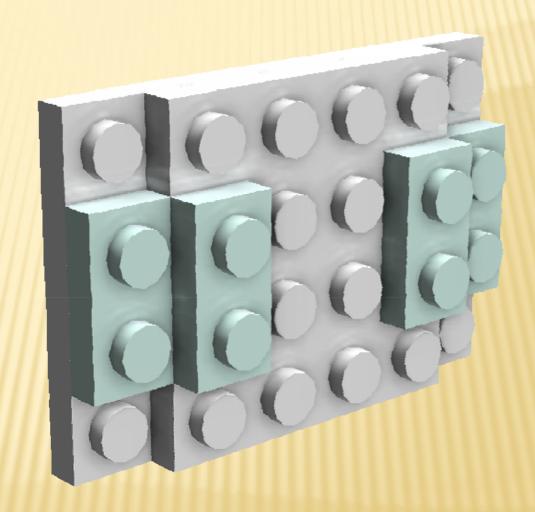
4x4 plate



4x6 plate



1x2 plate







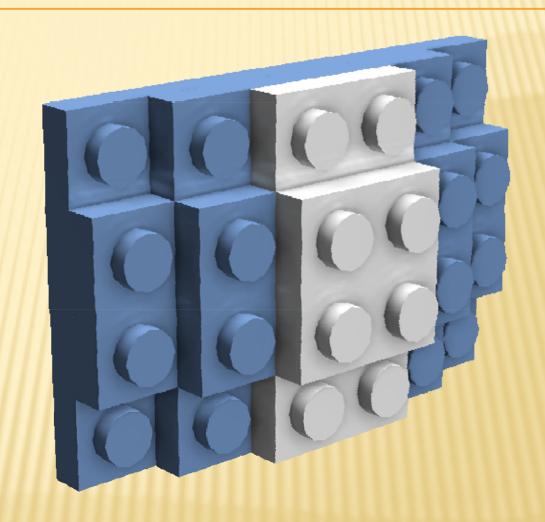
2x4 plate

x1



2x2 plate

x 1





### Step 50

Parts needed for this step:



2x6 plate

x1



2x4 plate

x2



1x2 plate

x2





### Step 51

Parts needed for this step:



1x1 plate

χ4



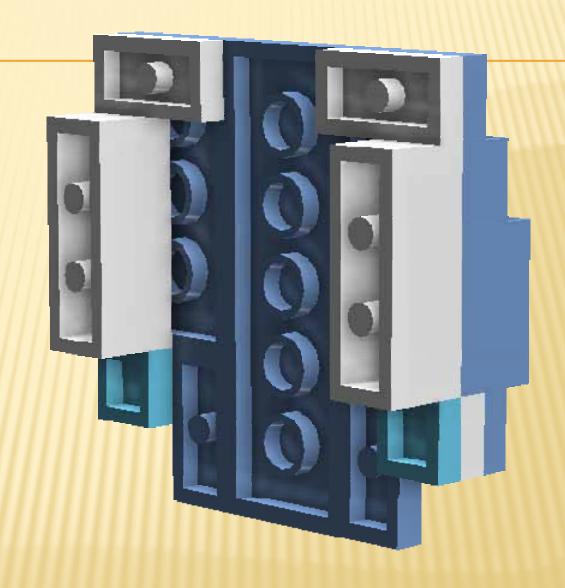
1x3 brick

x2



1x2 plate

x2







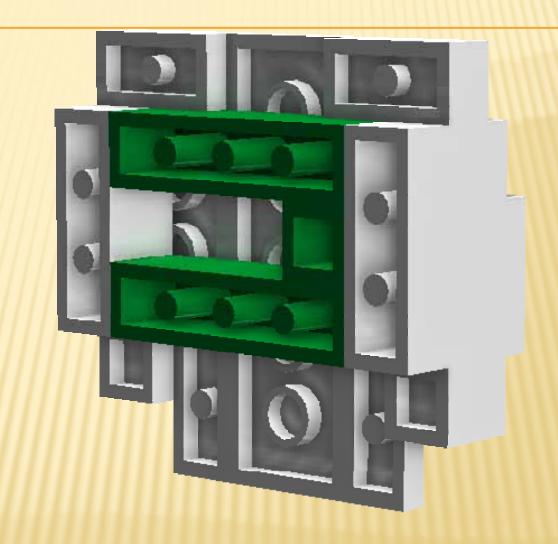
1x1 brick

у 1

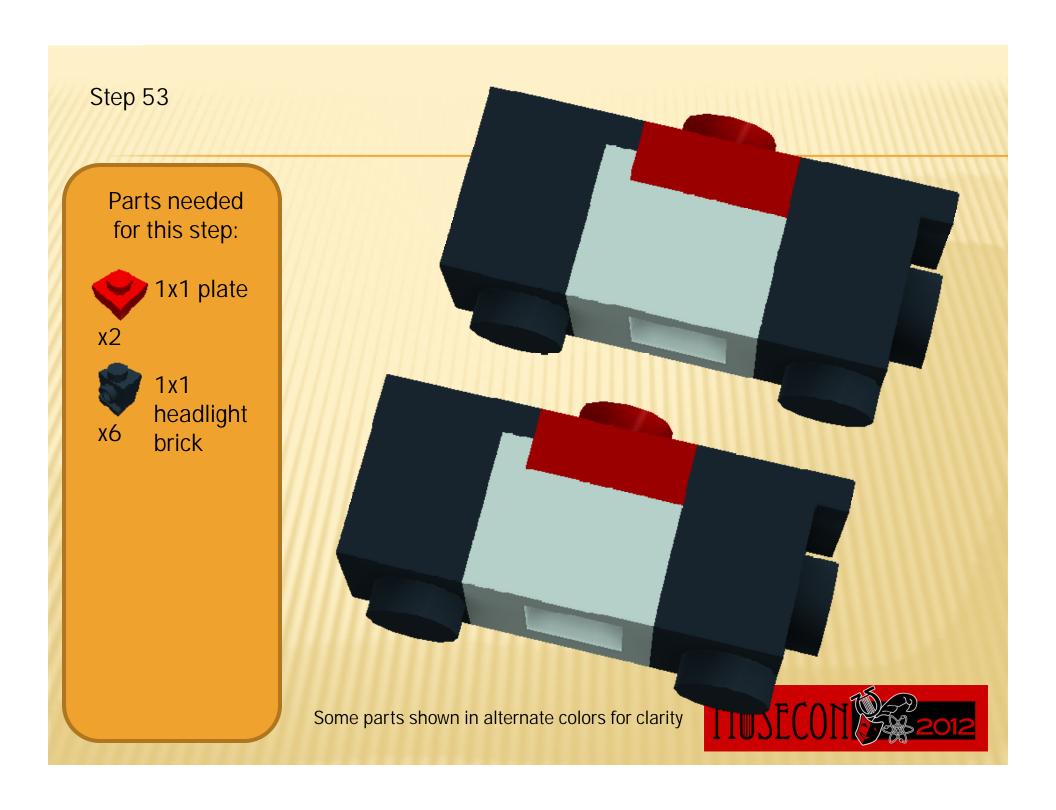


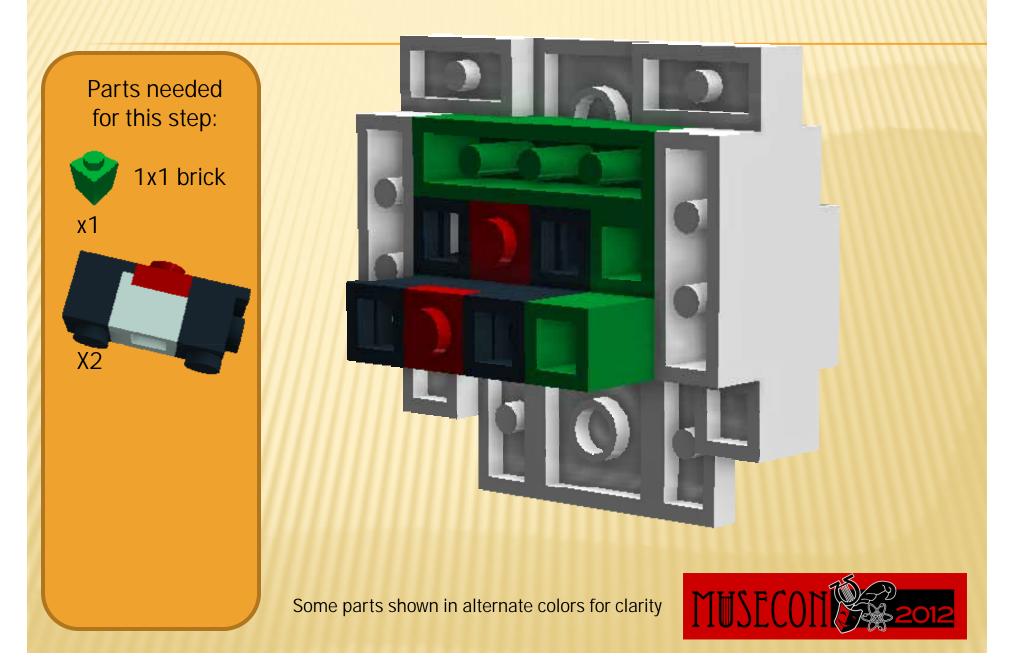
1x4 brick

x2









### Step 55

Parts needed for this step:



2x4 plate

x1



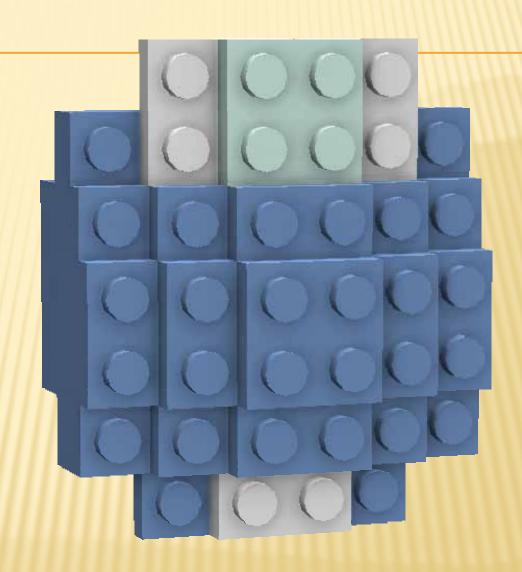
2x2 plate

**x**1



1x2 plate

х1

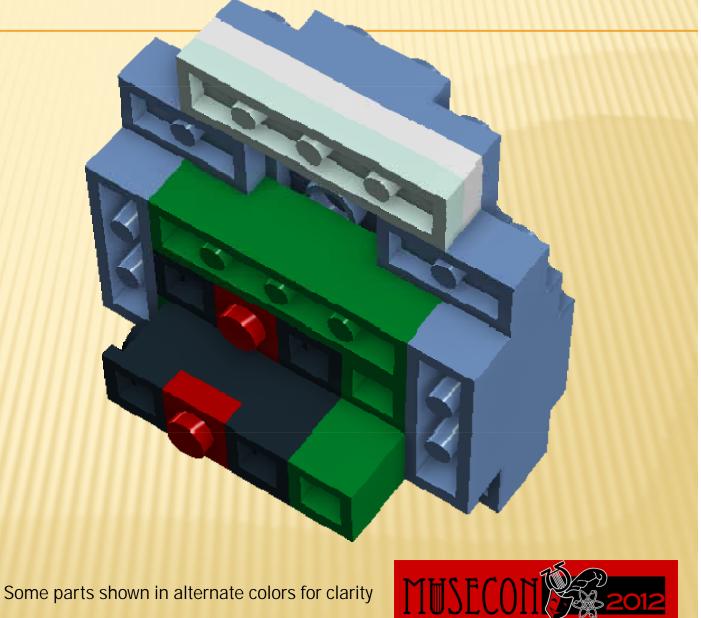






1x4 plate

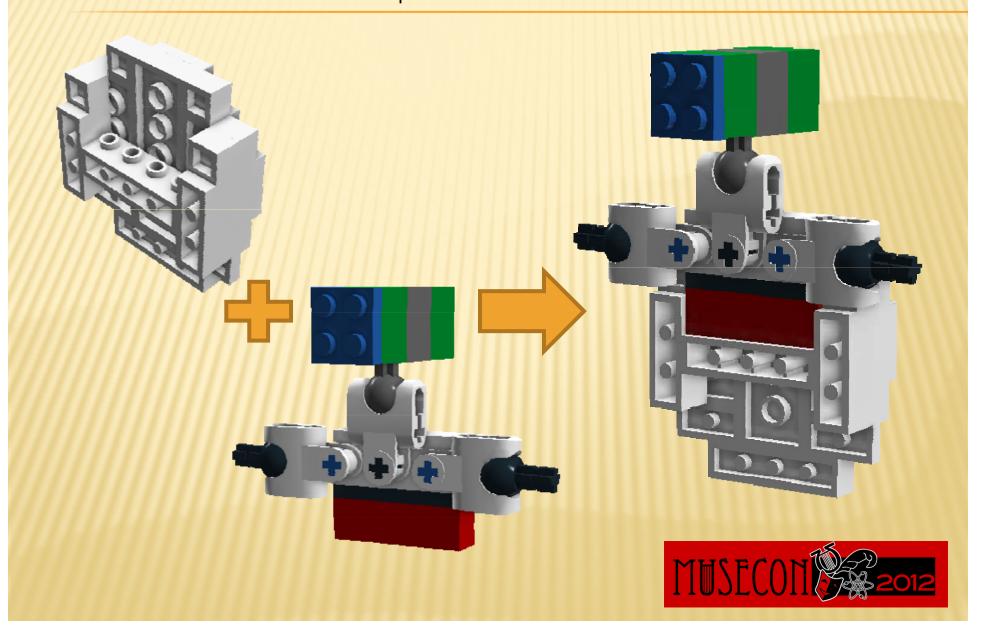
x2



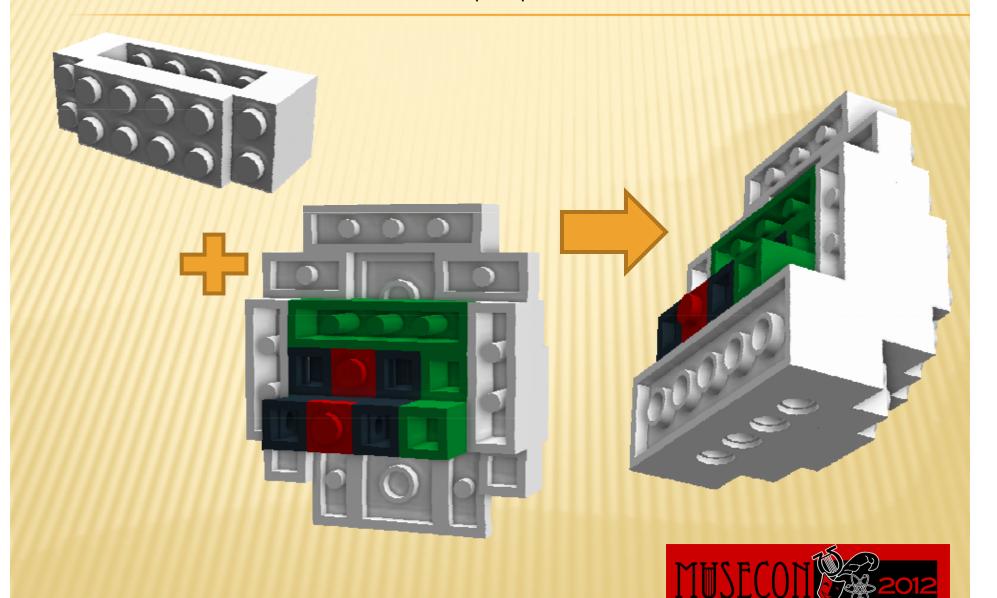
# FINAL ASSEMBLY



Step 57
Parts needed for this step: Shoulders and back

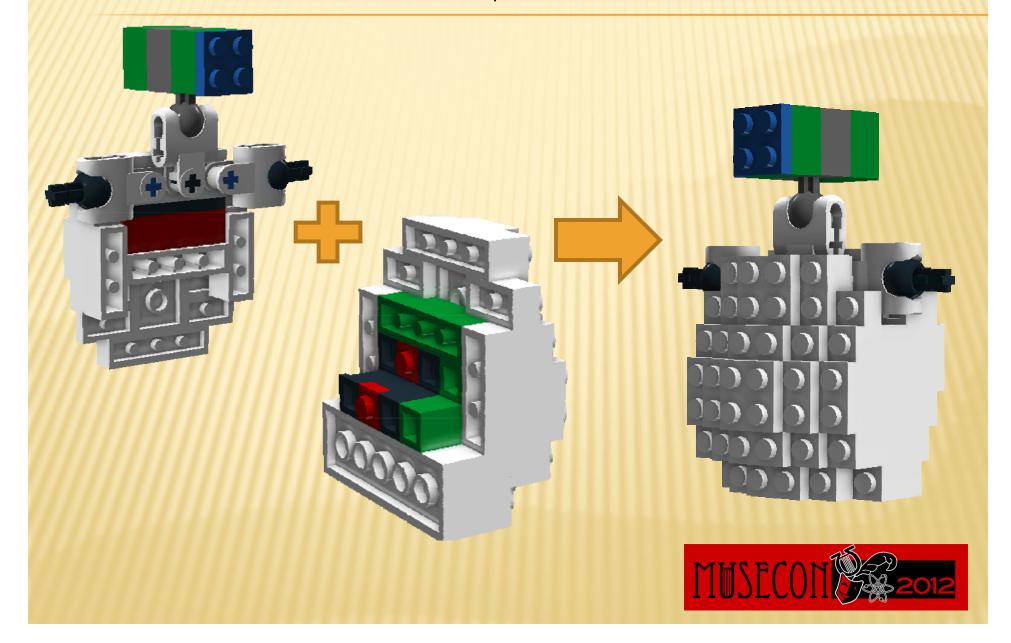


### Parts needed for this step: Hips and Front

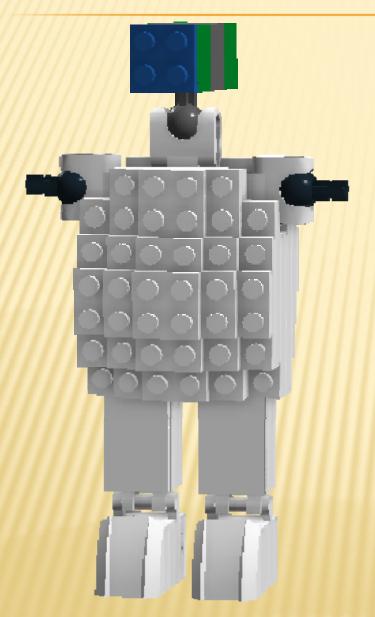


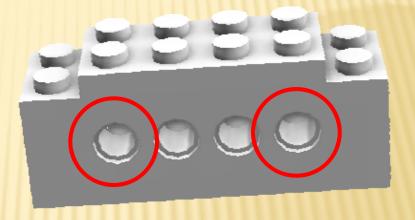
Step 59

### Parts needed for this step: Front and Back



### Parts needed for this step: Body and Legs

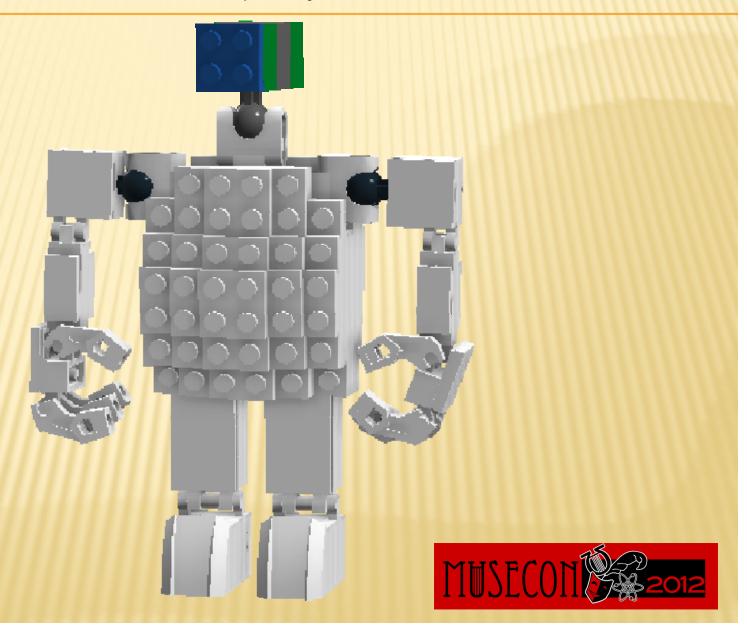




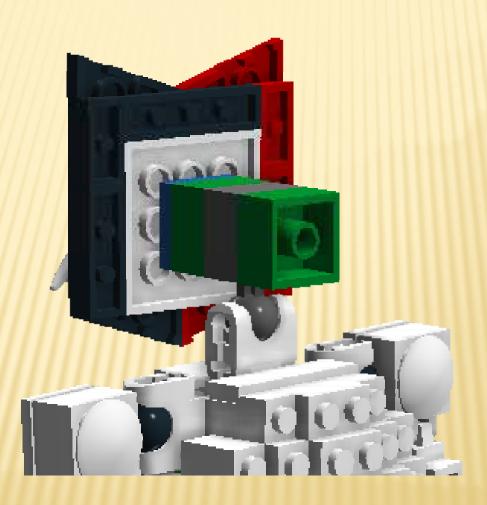
Leg pins fit into the two outermost holes in the hip assembly



### Parts needed for this step: Body and Arms

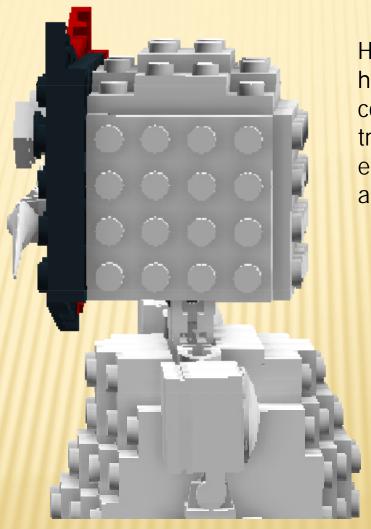


### Parts needed for this step: Body and Mask





### Parts needed for this step: Body and Back of Head

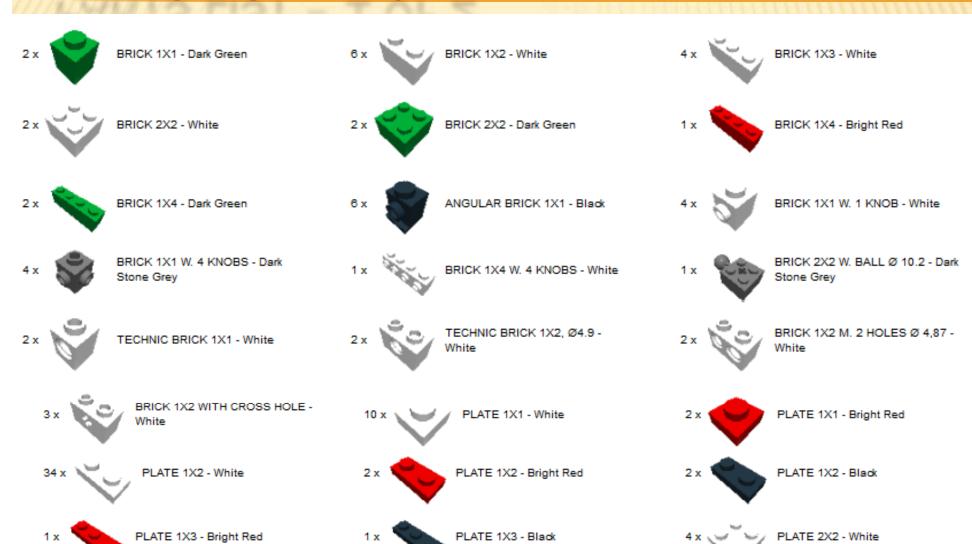


HINT: Grip the back of the head at the top where the connection bricks are — if you try and hold at the bottom edge it's more likely to pop apart.



# **ALL DONE!**

## PARTS LIST – 1 OF 2



# PARTS LIST - 2 OF 2

