

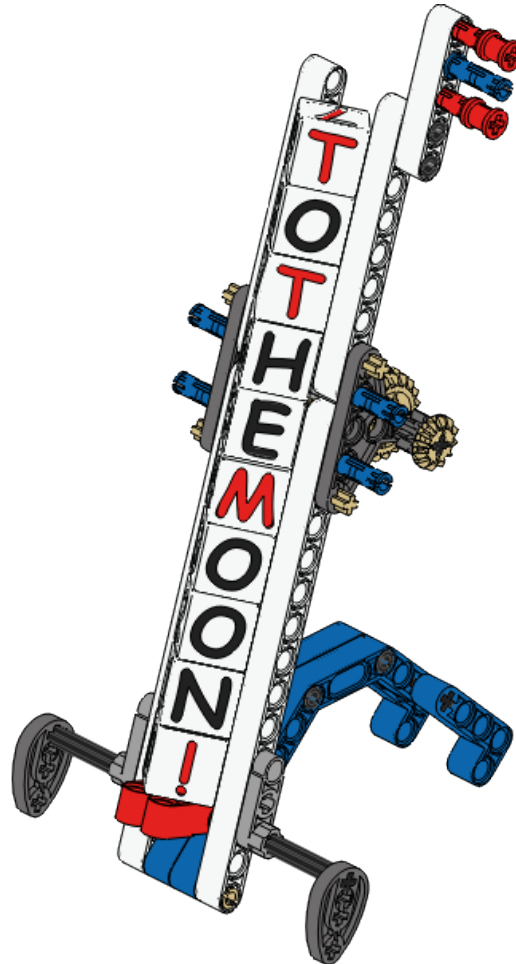


# Engineering And Robotics Learned Young

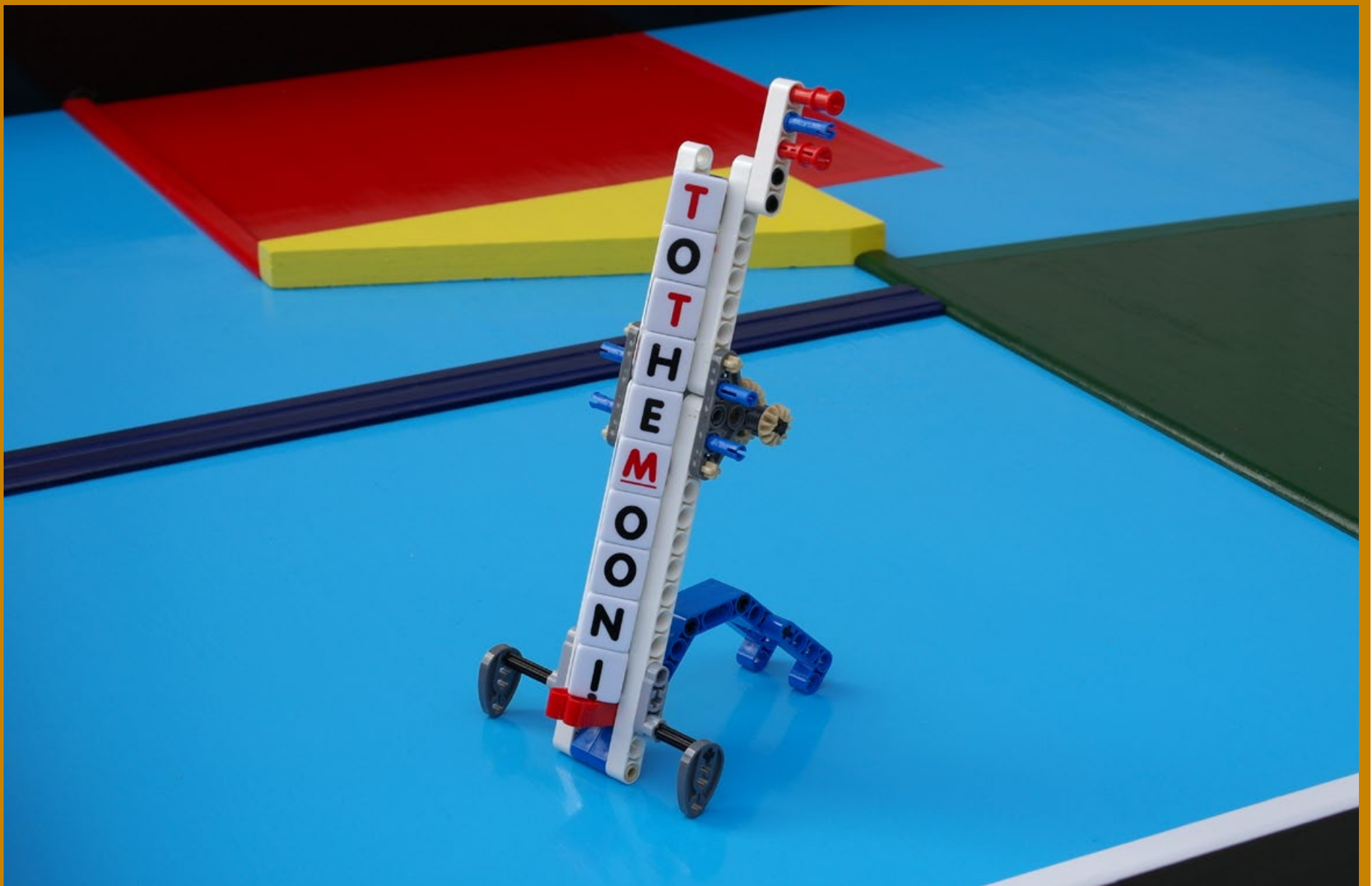
*Engaging Students in Engineering before Stereotypes*

## Western Hemisphere Mission

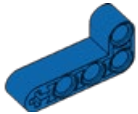

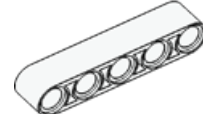


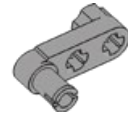

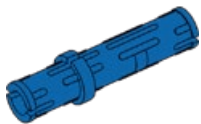

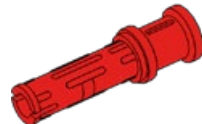
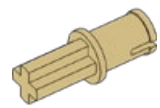
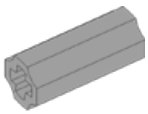
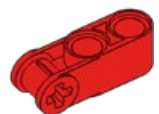








## Atmosphere Carrier Details





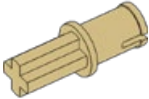
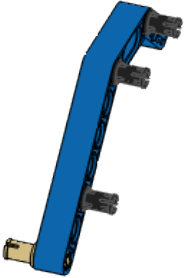
# Atmosphere Carrier





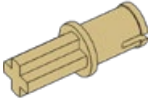
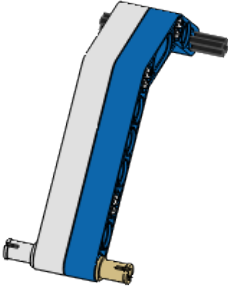
# Atmosphere Carrier

<p>2x</p>  <p>Liftarm 1x2x4 90 deg bend Blue</p>	<p>2x</p>  <p>Liftarm 1x3x4x7 Blue</p>		<p>1x</p>  <p>Liftarm 1x5 White</p>	<p>2x</p>  <p>Liftarm 1x9 White</p>	<p>2x</p>  <p>Liftarm 1x15 White</p>	<p>2x</p>  <p>Crank - Pin Light Gray</p>	
<p>5x</p>  <p>Pin Slots Black</p>	<p>5x</p>  <p>Pin - Long Slots Blue</p>	<p>2x</p>  <p>Pin - Half Dark Gray</p>		<p>2x</p>  <p>Pin - Long Axle Hole Red</p>	<p>6x</p>  <p>Pin - Axle Tan</p>		
<p>1x</p>  <p>Connector Union Light Gray</p>	<p>2x</p>  <p>Connector 1x3 90 Degree Red</p>		<p>2x</p>  <p>Cam Dark Gray</p>		<p>2x</p>  <p>Brace 3x5 Dark Gray</p>		
<p>3x</p>  <p>Axle 4 Black</p>	<p>1x</p>  <p>Axle 10 Black</p>		<p>2x</p>  <p>Gear - 8 Tooth Dark Gray</p>	<p>2x</p>  <p>Gear - 12 Tooth Bevel Tan</p>	<p>2x</p>  <p>Gear - 20 Tooth Double Bevel Tan</p>		<p>10x</p>  <p>SeaBot White</p>

# Atmosphere Carrier

<p>1 of 19</p>	<p>1x</p>  <p>Liftarm 1x3x4x7 Blue</p>	<p>3x</p>  <p>Pin Slots Black</p>	<p>1x</p>  <p>Pin - Axle Tan</p>	
				

# Atmosphere Carrier

<p>2 of 19</p>	<p>1x</p>  <p>Axle 4 Black</p>	<p>1x</p>  <p>Liftarm 1x3x4x7 Blue</p>	<p>1x</p>  <p>Pin - Axle Tan</p>	
				

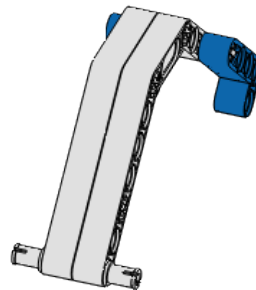
# Atmosphere Carrier

3  
of 19

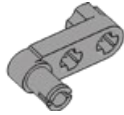
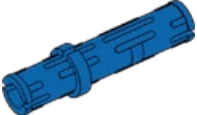
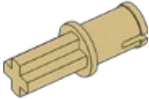


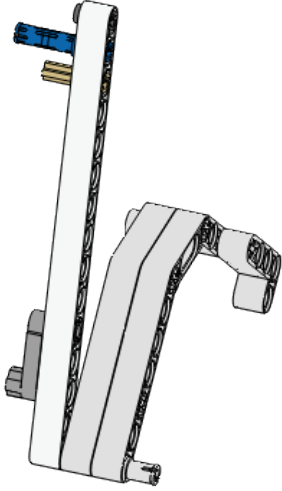
2x



Liftarm 1x2x4  
90 deg bend  
Blue



# Atmosphere Carrier

<div>4</div> <div>of 19</div>	<div>1x</div> <div></div> <div>Crank - Pin</div> <div>Light Gray</div>	<div>1x</div> <div></div> <div>Pin - Long Slots</div> <div>Blue</div>	<div>1x</div> <div></div> <div>Pin - Axle</div> <div>Tan</div>	<div>1x</div> <div></div> <div>Pin - Half</div> <div>Dark Gray</div>	<div>1x</div> <div></div> <div>Liftarm 1x15</div> <div>White</div>	
<div></div>						

# Atmosphere Carrier

5  
of 19

1x



Axle 10

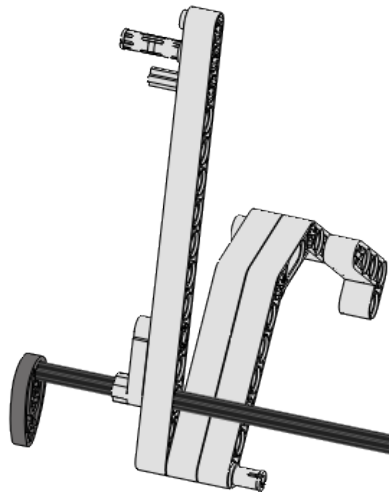
Black

1x



Cam

Dark Gray

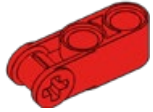




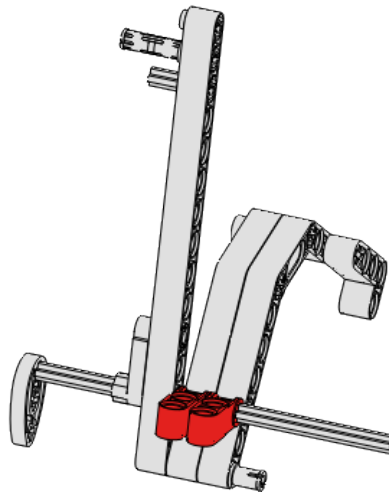
# Atmosphere Carrier

6  
of 19

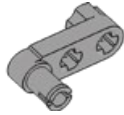
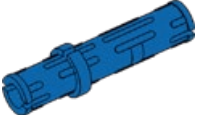
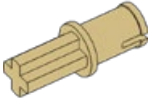


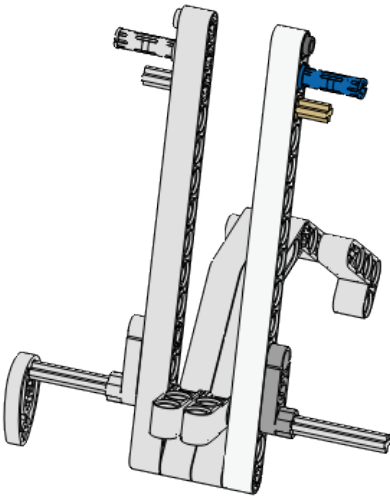
2x



Connector 1x3  
90 Degree  
Red



# Atmosphere Carrier

<p>7 of 19</p>	<p>1x</p>  <p>Crank - Pin Light Gray</p>	<p>1x</p>  <p>Pin - Long Slots Blue</p>	<p>1x</p>  <p>Pin - Axle Tan</p>	<p>1x</p>  <p>Pin - Half Dark Gray</p>	<p>1x</p>  <p>Liftarm 1x15 White</p>	
						

# Atmosphere Carrier

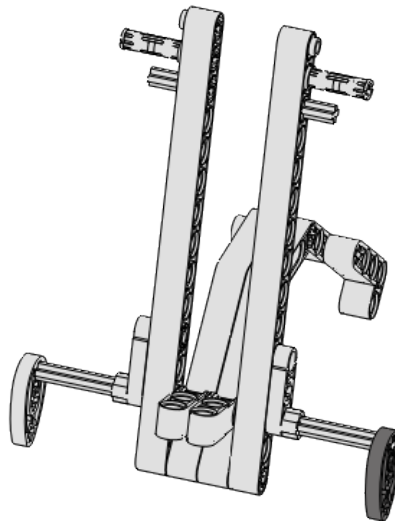
8  
of 19

1x



Cam

Dark Gray



# Atmosphere Carrier

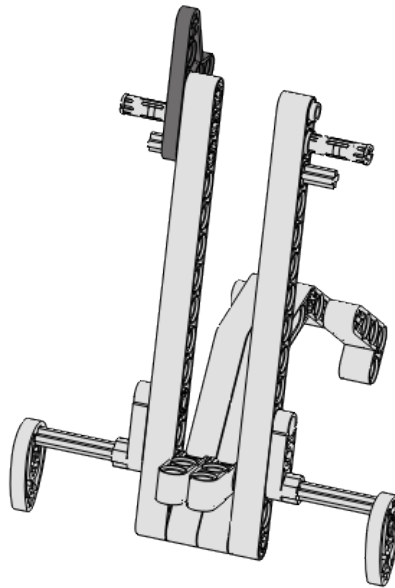
9  
of 19

1x




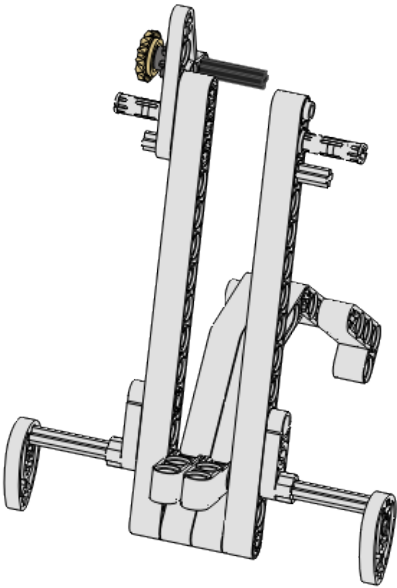


Brace 3x5

Dark Gray



# Atmosphere Carrier

<p>10 of 19</p>	<p>1x</p>  <p>Axle 4 Black</p>	<p>1x</p>  <p>Gear - 8 Tooth Dark Gray</p>	<p>1x</p>  <p>Gear - 12 Tooth Bevel Tan</p>	
				

# Atmosphere Carrier

11  
of 19

1x



Axle 4

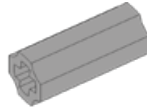
Black

1x

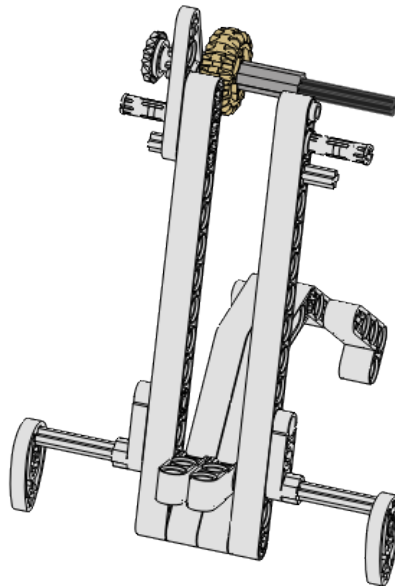


Gear - 20 Tooth  
Double Bevel  
Tan

1x



Connector  
Union  
Light Gray



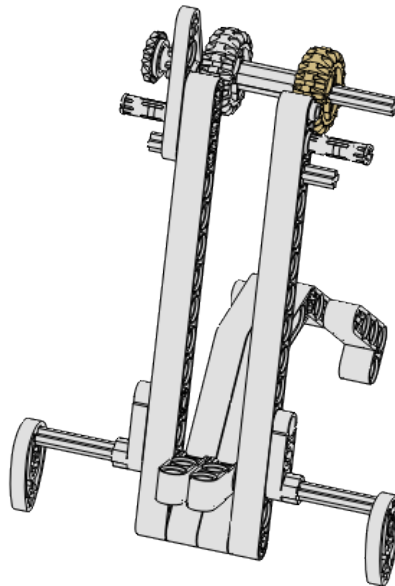
# Atmosphere Carrier

12  
of 19

1x



Gear - 20 Tooth  
Double Bevel  
Tan



# Atmosphere Carrier

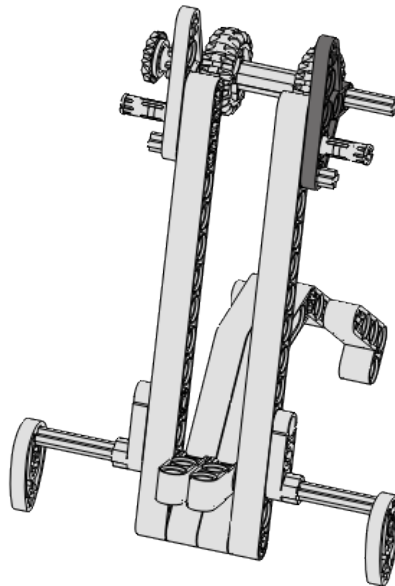
13  
of 19

1x



Brace 3x5

Dark Gray





# Atmosphere Carrier

14  
of 19

1x



Gear - 8 Tooth

Dark Gray

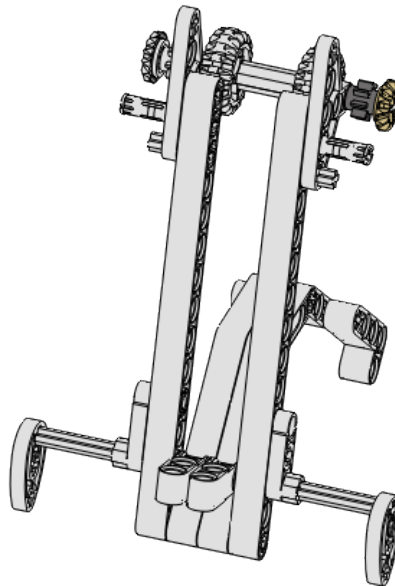
1x



Gear - 12 Tooth

Bevel

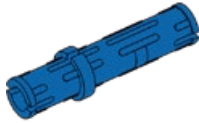
Tan



# Atmosphere Carrier

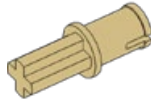
15  
of 19

2x

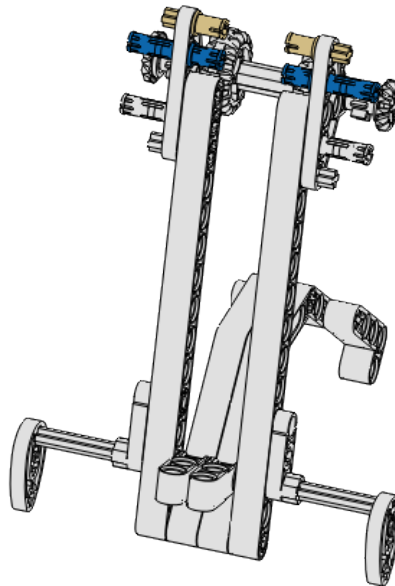


Pin - Long  
Slots  
Blue

2x



Pin - Axle  
Tan



# Atmosphere Carrier

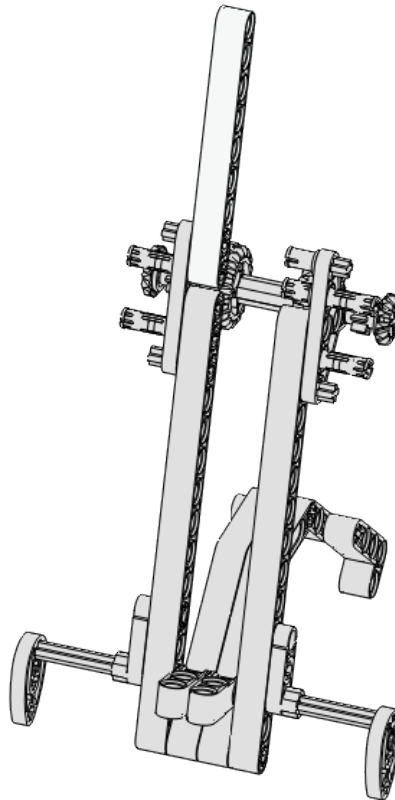
16  
of 19

1x



Liftarm 1x9

White



# Atmosphere Carrier

17  
of 19

1x



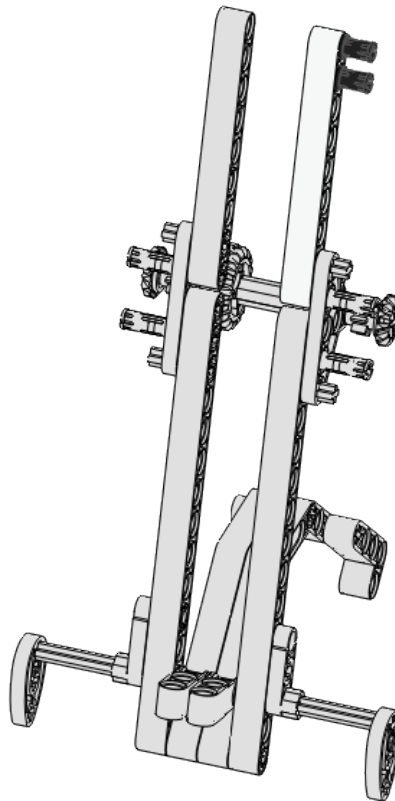
Liftarm 1x9

White

2x



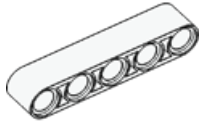
Pin  
Slots  
Black



# Atmosphere Carrier

18  
of 19

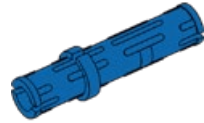
1x



Liftarm 1x5

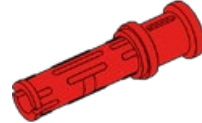
White

1x

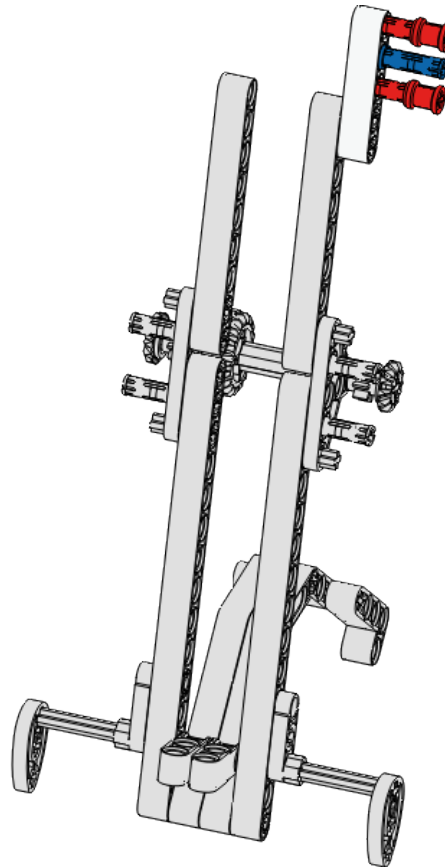


Pin - Long  
Slots  
Blue

2x



Pin - Long  
Axle Hole  
Red



# Atmosphere Carrier

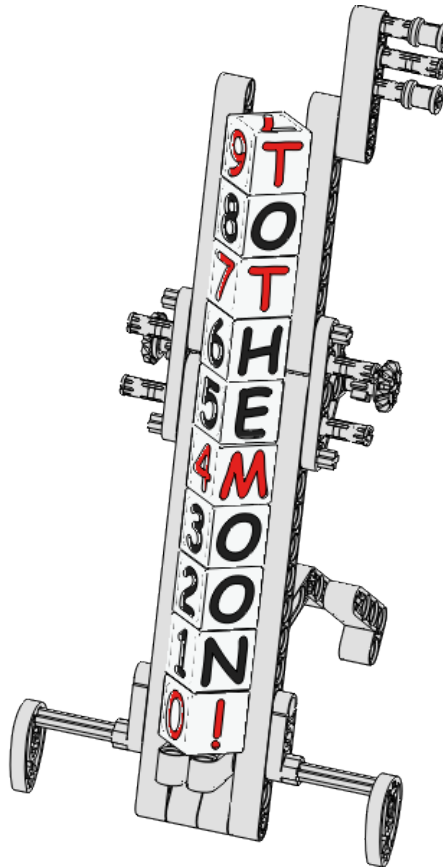
19  
of 19

10x

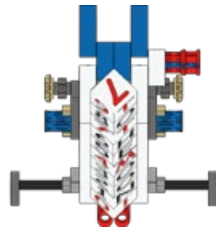


SeaBot

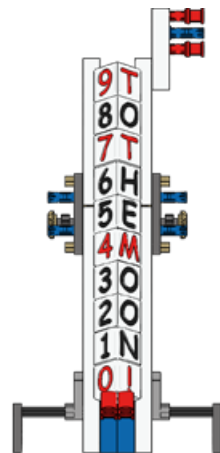
White



# Atmosphere Carrier



Top View



Front View



Side View