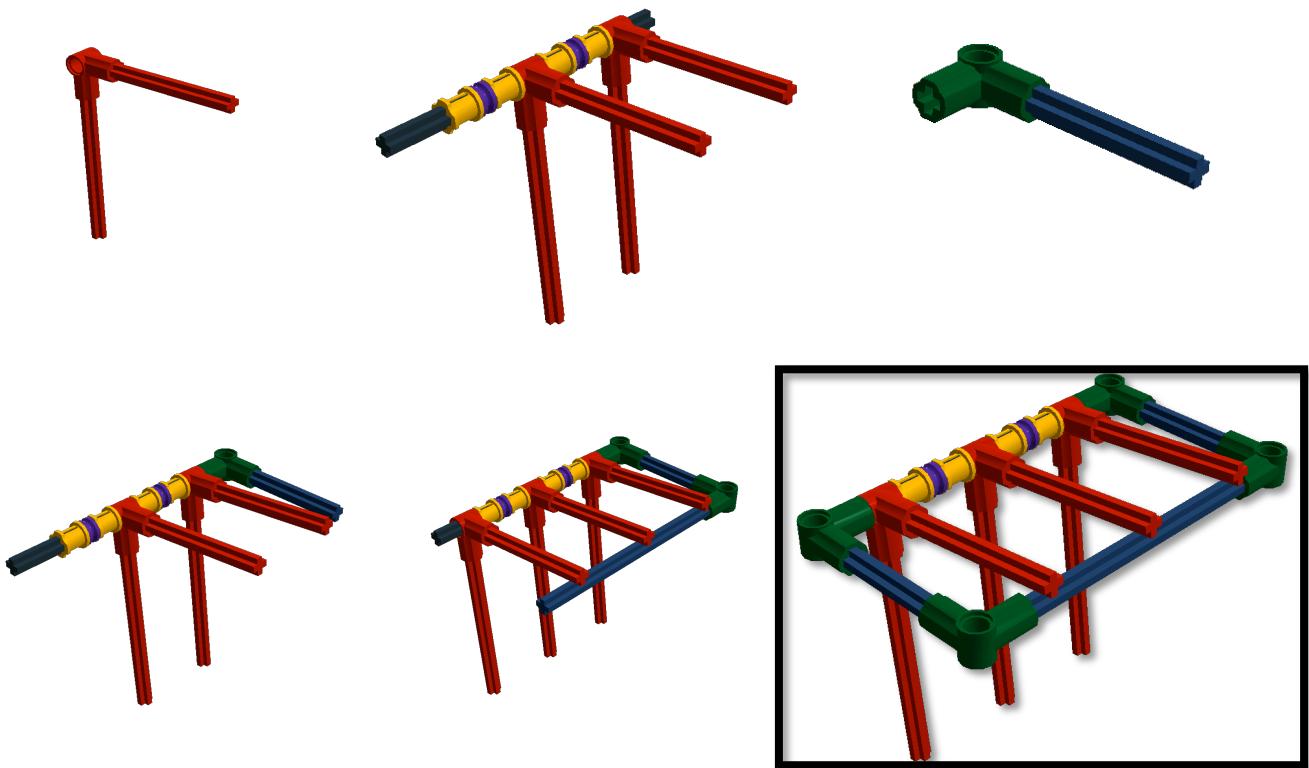


Lesson 1: One-Way Curtain

Build



Discuss

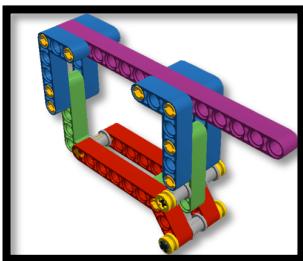
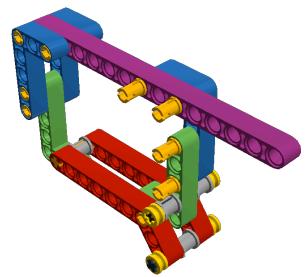
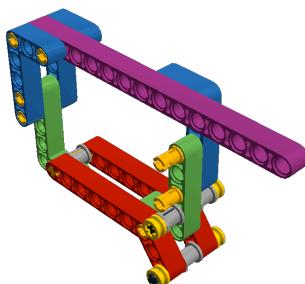
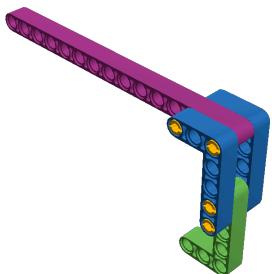
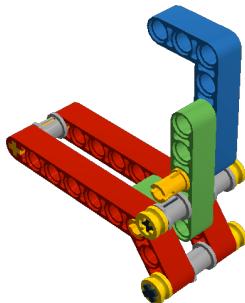
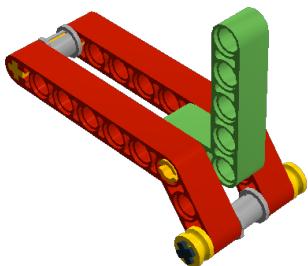
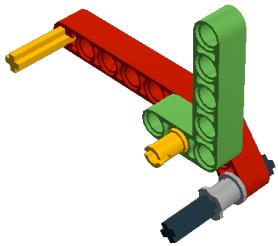
- How does this work?
- How can it be useful?
- Where could we apply this technique?
- Watch:
<https://youtu.be/2P1EREM1Yzc?t=47>

Apply

- Now build a full mechanism that uses this concept
- Modify the concept to fit your needs

Lesson 2: Carabiner

Build



Add rubber bands on bushings

Discuss

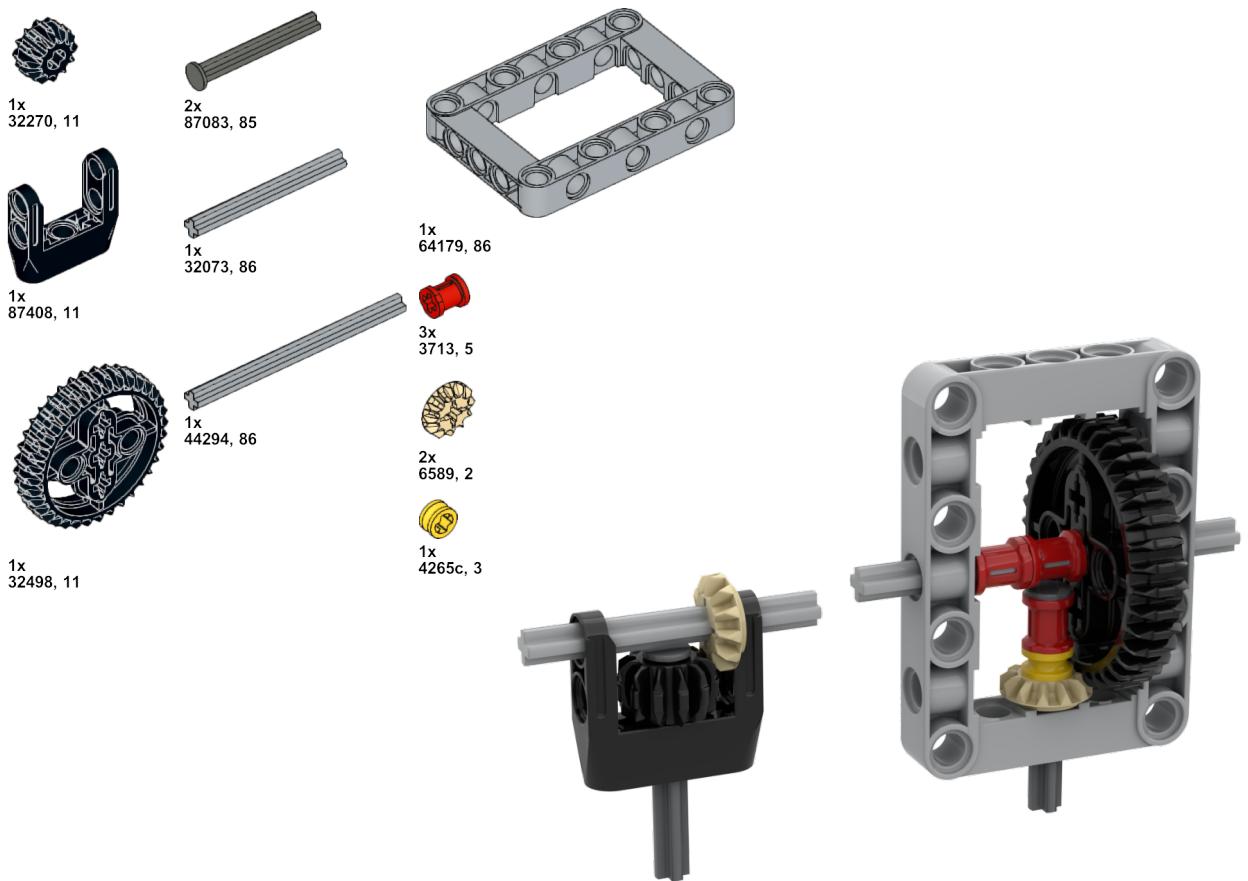
- How does this work?
- How can it be useful?
- Where could we apply this technique?
- Watch:
<https://youtu.be/Mjp9holZ0dY?t=35>

Apply

- Now build a full mechanism that uses this concept
- Modify the concept to fit your needs

Lesson 3: Gear Box

Build



Discuss

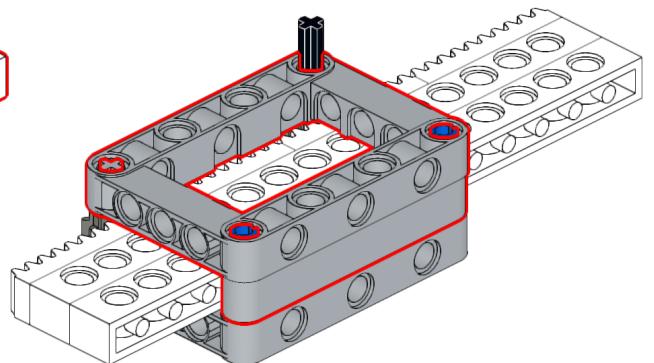
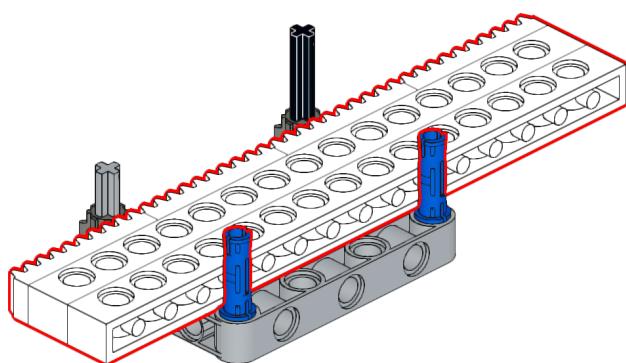
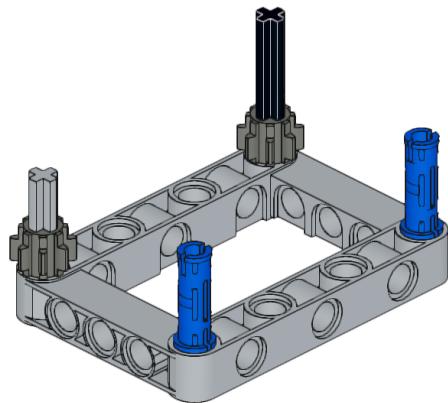
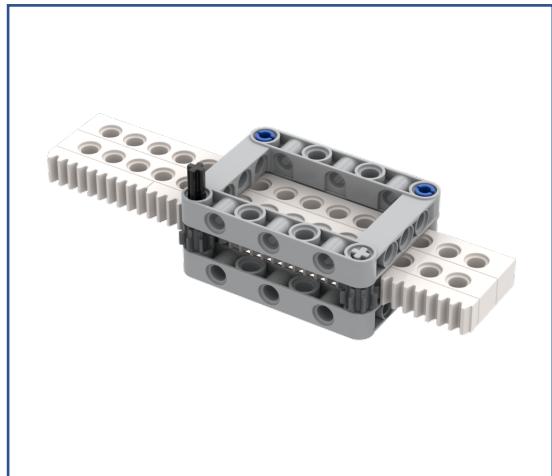
- How does this work?
 - How can it be useful?
 - Where could we apply this technique?
 - Watch:
<https://youtu.be/2P1EREM1Yzc?t=23>

Apply

- Now build a full mechanism that uses this concept
 - Modify the concept to fit your needs

Lesson 4: Rack Gear

Build



Discuss

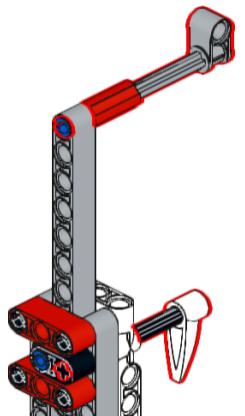
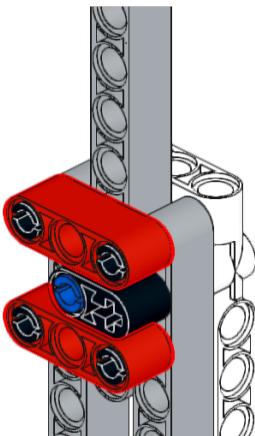
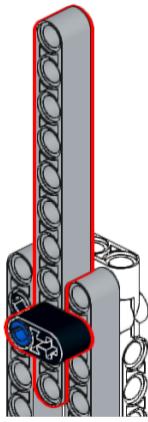
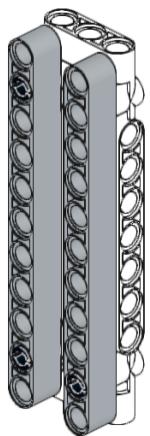
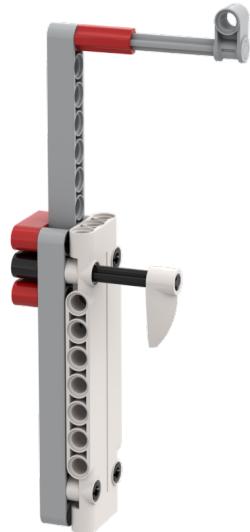
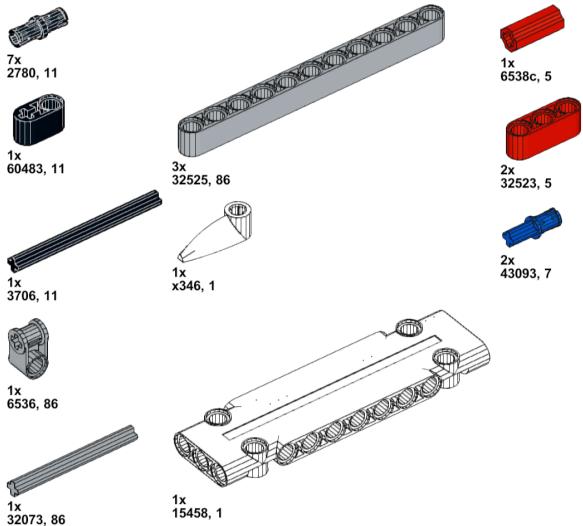
- How does this work?
- How can it be useful?
- Where could we apply this technique?
- Watch:
<https://youtu.be/GI5L2B2jTEI?t=19>

Apply

- Now build a full mechanism that uses this concept
- Modify the concept to fit your needs

Lesson 5: Gravity

Build



Discuss

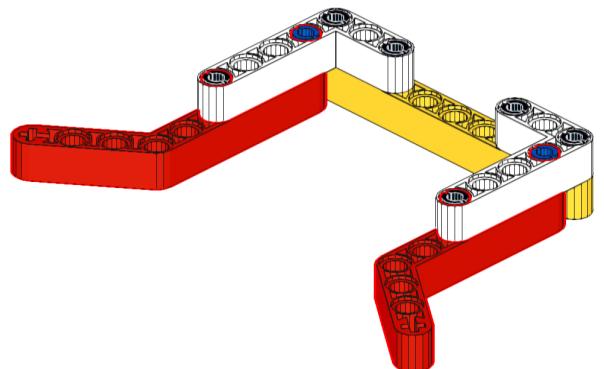
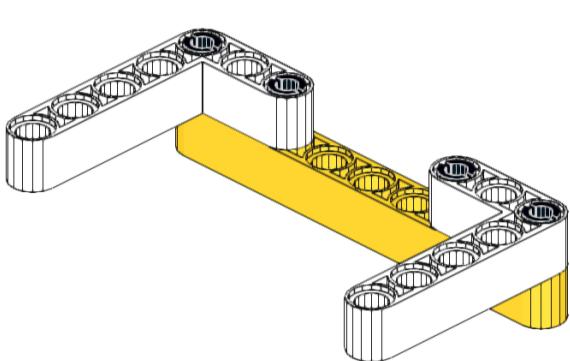
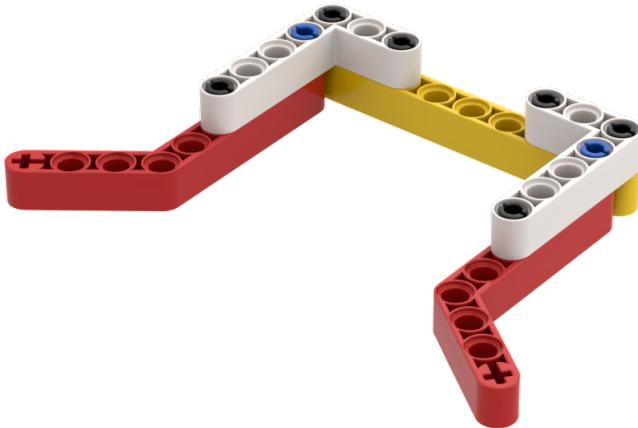
- How does this work?
- How can it be useful?
- Where could we apply this technique?
- Watch:
<https://youtu.be/dJSeMeAGmXE?t=113>

Apply

- Now build a full mechanism that uses this concept
- Modify the concept to fit your needs

Lesson 6: Aligners

Build



Discuss

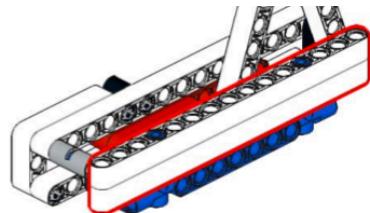
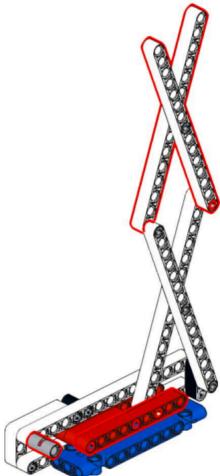
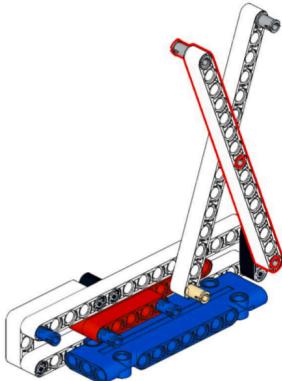
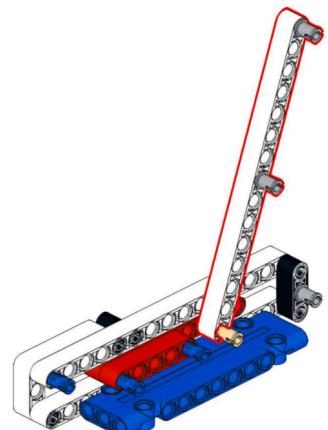
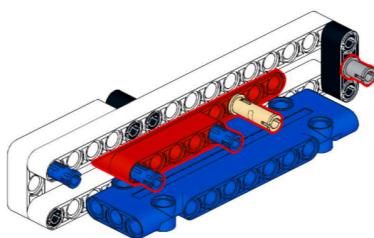
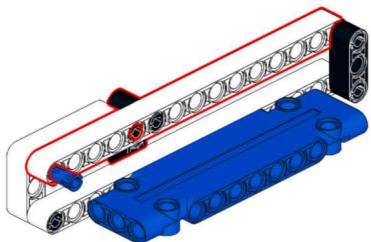
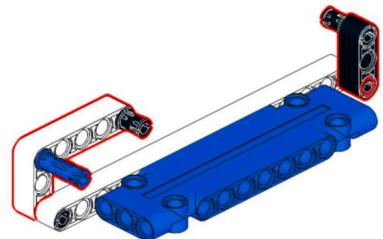
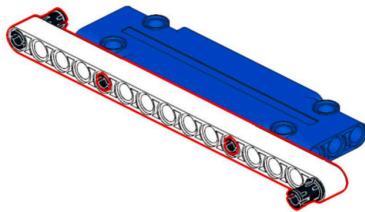
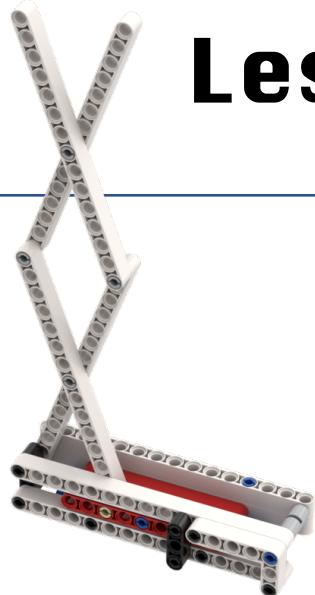
- How does this work?
- How can it be useful?
- Where could we apply this technique?
- Watch:
<https://youtu.be/Mjp9holZ0dY?t=75>

Apply

- Now build a full mechanism that uses this concept
- Modify the concept to fit your needs

Lesson 7: Scissors

Build



Discuss

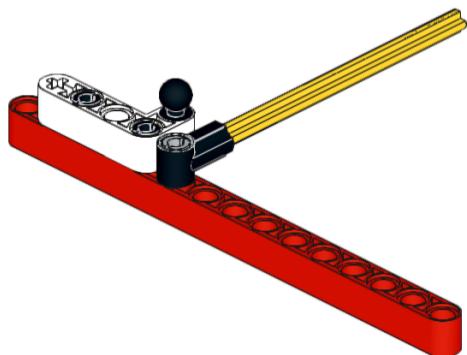
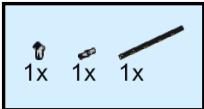
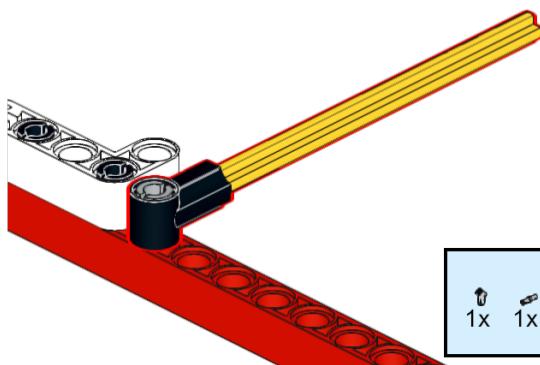
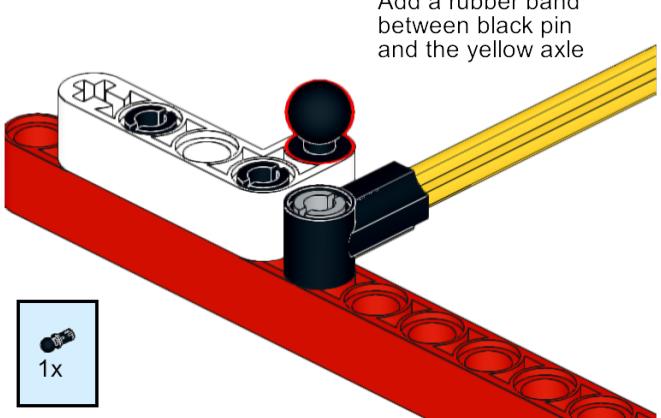
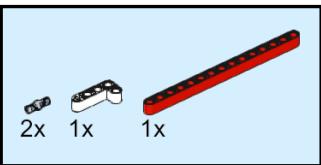
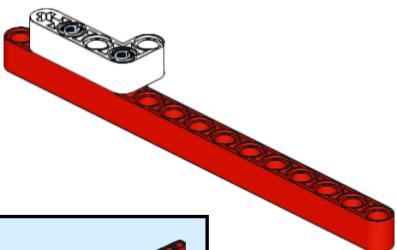
- How does this work?
- How can it be useful?
- Where could we apply this technique?
- Watch:
<https://youtu.be/dJSeMeAGmXE?t=113>

Apply

- Now build a full mechanism that uses this concept
- Modify the concept to fit your needs

Lesson 8: Auto-Retracting Lever

Build



Discuss

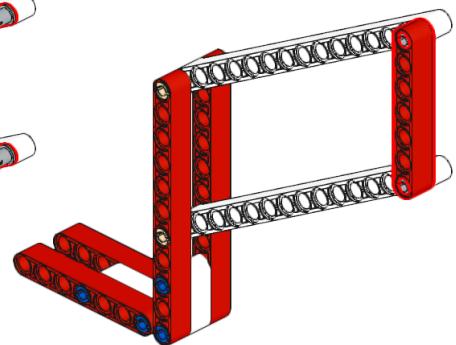
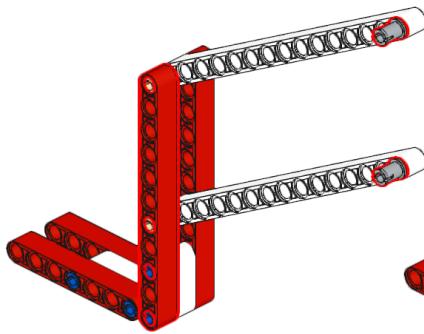
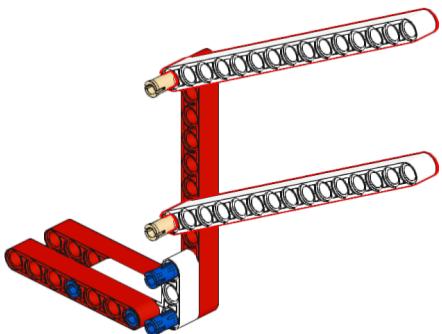
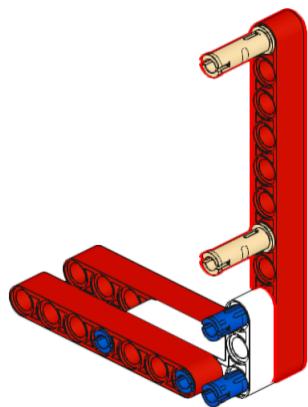
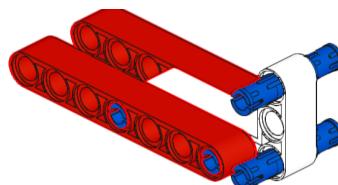
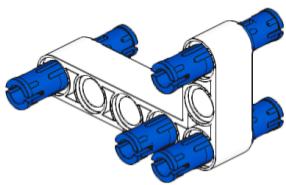
- How does this work? Can it work without the rubber band?
- How can it be useful?
- Where could we apply this technique?
- Watch:
<https://youtu.be/Mjp9holZ0dY?t=73>

Apply

- Now build a full mechanism that uses this concept
- Modify the concept to fit your needs

Lesson 9: Parallel 4 Bar Linkage

Build



Discuss

- How does this work?
- How can it be useful?
- Where could we apply this technique?
- Watch:
<https://youtu.be/GI5L2B2jTEI?t=115>

Apply

- Now build a full mechanism that uses this concept
- Modify the concept to fit your needs