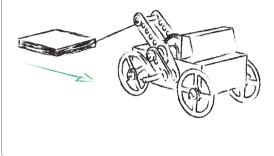


Use contents of this set and items from around your house to solve this challenge:

# **ENGINEERING CHALLENGE #1**

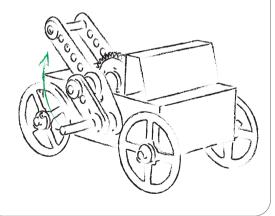
Use the tow truck's winch to drag a book across a flat table.



Use contents of this set and items from around your house to solve this challenge:

# **ENGINEERING CHALLENGE #2**

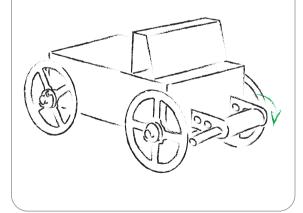
Make the tow truck's winch easier to turn when pulling an object.



Use contents of this set and items from around your house to solve this challenge:

# **ENGINEERING CHALLENGE #3**

Make it easier to wind and unwind the winch.



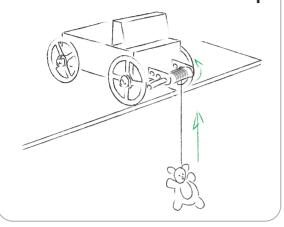


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Use contents of this set and items from around your house to solve this challenge:

# **ENGINEERING CHALLENGE #4**

Use the jeep's winch to lift a stuffed animal from the floor to a tabletop.



Use contents of this set and items from around your house to solve this challenge:

#### **ENGINEERING CHALLENGE #5**

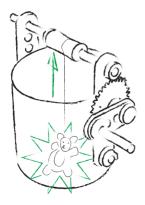
Create a bucket, and lower it into the well without using the winch.



Use contents of this set and items from around your house to solve this challenge:

#### **ENGINEERING CHALLENGE #6**

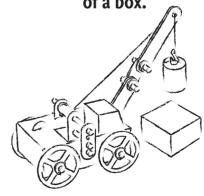
Rescue a toy or game piece that has fallen into the well!



Use contents of this set and items from around your house to solve this challenge:

#### **ENGINEERING CHALLENGE #7**

Use the crane to lift a can of soup off the floor and release it on top of a box.



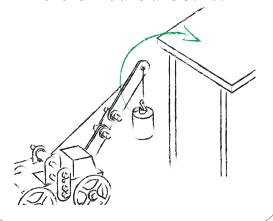


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Use contents of this set and items from around your house to solve this challenge:

# **ENGINEERING CHALLENGE #8**

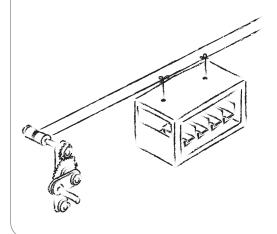
Lift an object higher than the top of the initial crane build.



Use contents of this set and items from around your house to solve this challenge:

#### **ENGINEERING CHALLENGE #9**

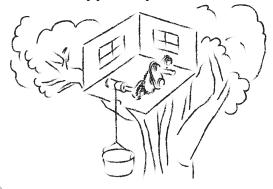
Make a cable car using the winch.



Use contents of this set and items from around your house to solve this challenge:

# ENGINEERING CHALLENGE #10

Build a miniature tree-house fort and use the winch to haul supplies up into it.



# Visit:

www.ThinkFun.com/MakerStudio to see all the Maker Studio sets and combine them for more building fun!



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