

Machine Design

To explore and design mechanisms.



Design a machine that can help complete a specific task. Start by deciding the purpose of your machine. Next, draw your machine in the space provided below. Be sure to label each feature and explain how the mechanisms (such as levers, pulleys or gears) help complete the task with minimal effort.

Here are some purposes that you might consider for designing your machine:

watering a plant

running a bath

packing a bag

making a cup of tea

tying shoelaces

folding clothes

turning off light switches

tidying up

brushing teeth

making a bed

setting a table

opening a letter

peeling an apple

mowing the lawn