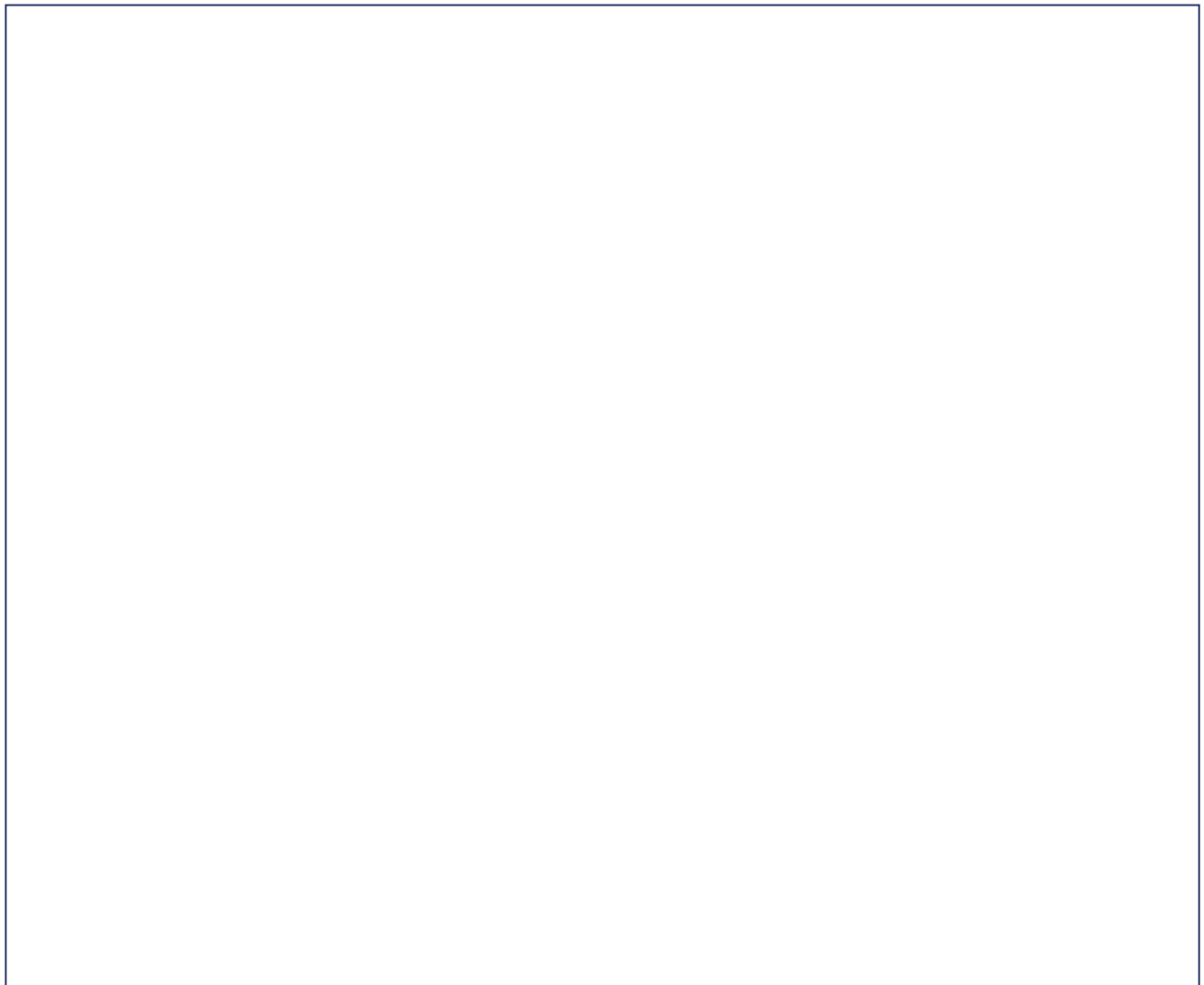


Max's Mechanical Workshop: Levers and Pulleys

Learning objective: To identify and draw simple mechanical systems including levers and pulleys.

Follow the steps below to complete your technical drawing. Use your pencil to draw clearly. Use the word bank to help you label your diagrams.

Draw: Draw a clean, technical-style diagram of a playground seesaw and a simple pulley system. Use a sharp pencil to draw straight lines for the lever (the seesaw beam) and a neat circle for the pulley wheel. Keep the drawing simple so you have enough space to add your labels clearly with arrows pointing to each part.



Label words: Load · Effort · Pivot · Rope · Wheel · Fulcrum

Steps:

1. Step 1: Draw a seesaw. Place a triangle under the middle. Label the triangle as the 'Pivot'.
2. Step 2: On one side of your seesaw, draw a heavy box. Label this the 'Load'.
3. Step 3: On the other side of the seesaw, draw a hand pushing down. Label this the 'Effort'.
4. Step 4: Draw a pulley system next to your seesaw. Draw a circle for the 'Wheel' and a line for the 'Rope'.