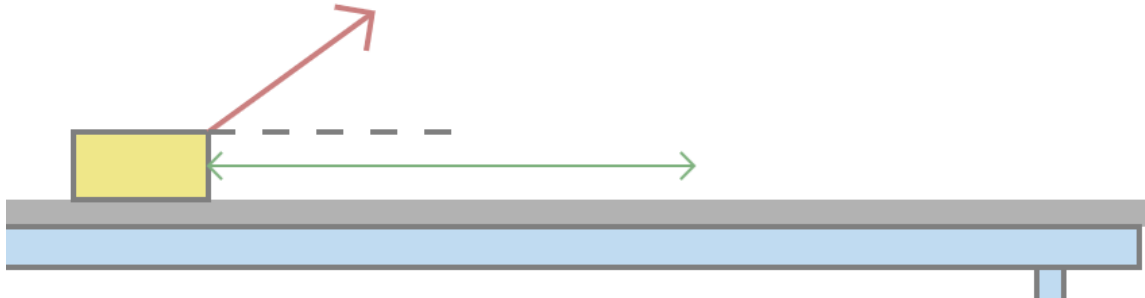
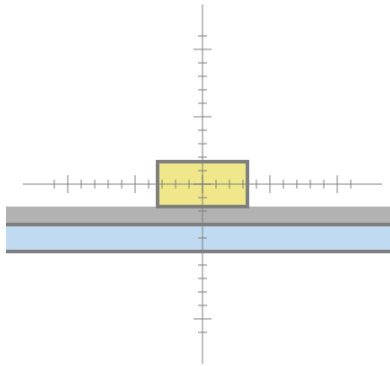


## Work (Force on Angle)

Step 1: Fill in all the information from your program into the picture below. Make sure to include the coefficient of friction for the block on the table



Step 2: Draw in all the forces on your object. Then calculate the force gravity, resolve force tension into components, calculate force normal, and finally calculate the force of friction



Step 3: Based on the forces you calculated and the distance traveled by the block, show the calculations of work done by tension and the work lost due to friction. Finally using the net change in energy, find the final velocity of the block. Enter your answers into the program to make sure you have done everything correctly.