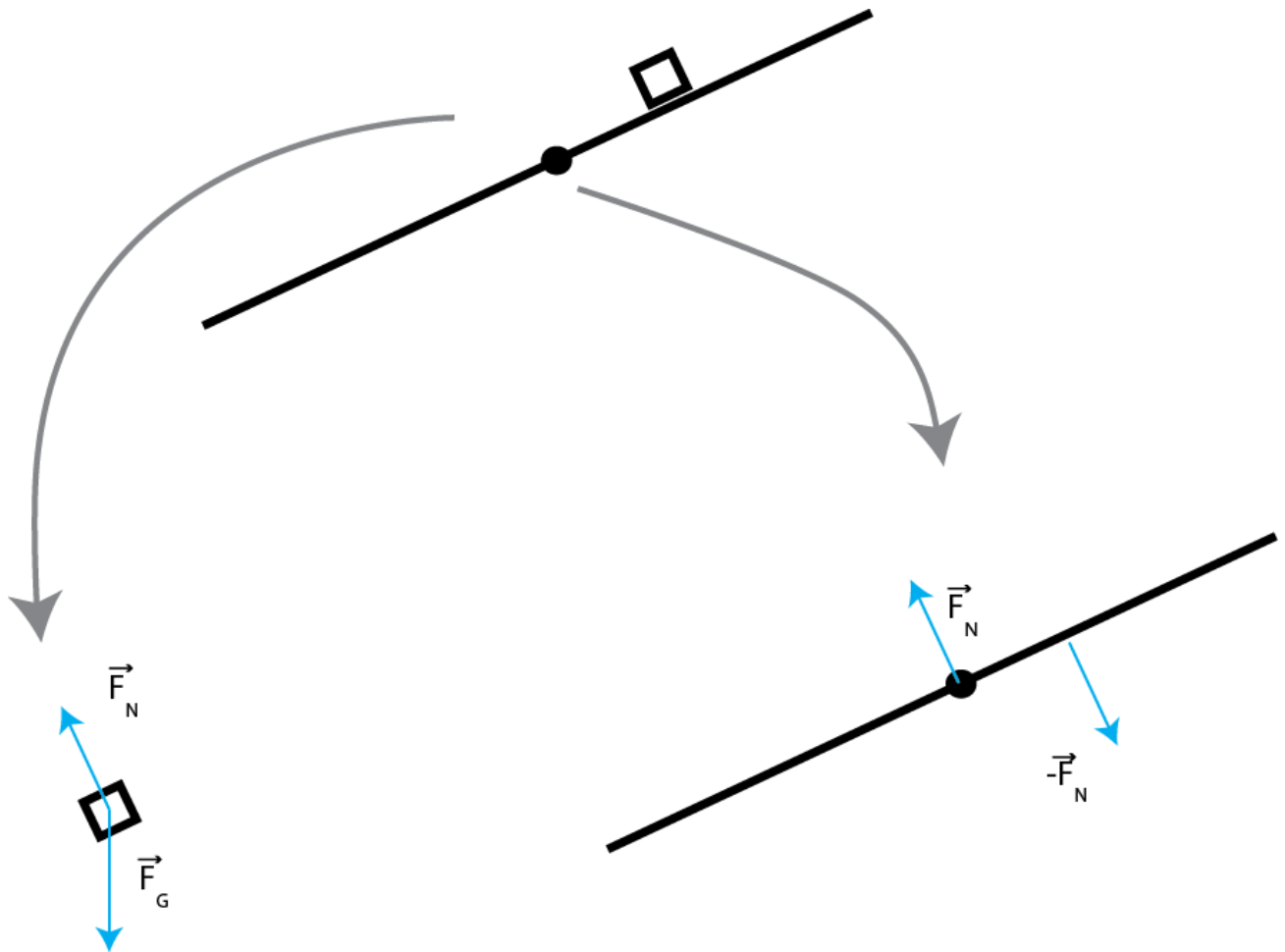


### Graphical Abstraction: Free Body Diagrams

Draw free body diagrams for each particle or rigid body that you have identified as being a necessary component of your abstraction. Please use notation that is consistent with your force table!

Since we have two chunks here, we need two free body diagrams: one for the sb particle, and one for the ramp rigid body:



Note that for the rigid body, it is critical that we identify not only what the forces are, but where the forces are applied: we need to know the torque on the rigid body.