



NC OBJECTIVES	KEY KNOWLEDGE AND VOCABULARY
<ul style="list-style-type: none">• compare how things move on different surfaces• notice that some forces need contact between two objects, but magnetic forces can act at a distance• observe how magnets attract or repel each other and attract some materials and not others• compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials• describe magnets as having two poles• predict whether two magnets will attract or repel each other, depending on which poles are facing.	<ul style="list-style-type: none">• Know what forces are• Know that some forces need contact between two objects• Know that some forces push and some forces pull• Describe which direction the forces are acting in• Know how to use a forcemeter and know that forces are measured in newtons• Compare pulling objects along different surfaces• Know that gravity and magnetism don't need contact between objects• Know what magnets are• Know how magnets behave when they are put together• Know that magnets have different poles – North Pole and South Pole• Know that the opposite poles attract• Know that the same pole repel• Know that some materials are magnetic and others aren't• Know that iron, cobalt, nickel are the only metals that are magnetic• Know that aluminium and copper is not magnetic• Know other materials that are not magnetic – wood, plastic