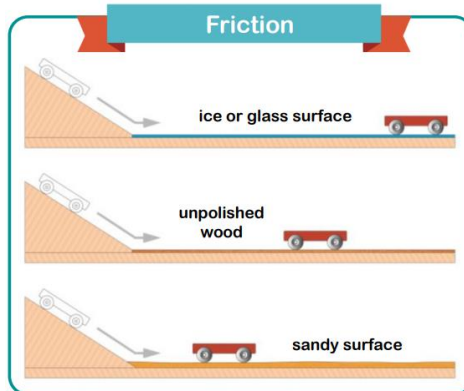


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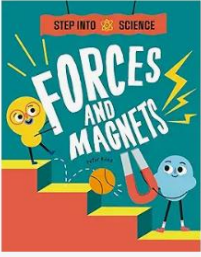
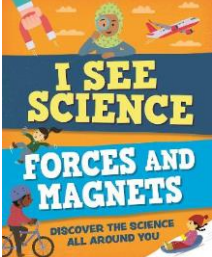

Forces & Magnets

What is friction?



What should I already know?	What will I know at the end of the unit?
<ul style="list-style-type: none"> I can find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting, and stretching. I can describe the simple physical properties of a variety of everyday materials. 	<ul style="list-style-type: none"> I can compare how things move on different surfaces. I can notice that some forces need contact between two objects, but magnetic forces can act at a distance. I can observe how magnets attract or repel each other and attract some materials and not others. I can compare and group together a variety of everyday materials based on whether they are attracted to a magnet and identify some magnetic materials. I can describe magnets as having two poles. I can predict whether two magnets will attract or repel each other, depending on which poles are facing.

Vocabulary	
force friction motion texture magnet attract	repel magnetic field non-contact force magnetism compass orienteering

Recommended Reads	Inventor/ Scientist
 	John McAdam Engineer and road builder. 

Suggested Investigations
Do surfaces affect how things move? Which objects in my classroom are magnetic? Are all magnets the same?