

Science - Year 3/4A Autumn 1

Forces and Magnets

Magnetic Fun and Games

Session 6

Resource Pack

Name or Names

Quiz on Forces and Magnetism



Question number	Answer
1	
2	
3	
4	
5	
6	
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11	
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14	
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16	
17	
18	



Forces and Magnets Quiz Answers

Question number	Answer
1	C
2	A
3	A
4	C
5	A
6	B
7	B
8	C
9	C
10	D
11	C
12	B
13	B
14	C
15	A
16	C
17	A
18	B

Our Magnetic Toy

<p>Names of people in the group</p>	
<p>Our toy is called <i>(Give it a name)</i></p>	
<p>This is how you use it</p> <p><i>Use this section to explain how to play, include details of how many can play at a time, what age it's for, and any instructions for use.</i></p>	
<p>How does your toy use magnetism?</p>	
<p>When children play, What will they learn?</p>	

Session 6 Teachers' Notes

Assessment

The Quiz PowerPoint will give you the opportunity to assess children's knowledge and understanding of the learning throughout this block. If you wish to use it as an assessment activity, give the children individual quiz sheets and ask them not to discuss their answers with one another. It is suggested that each question is read aloud including the choices of answer since the assessment is of the child's scientific knowledge and not their reading ability. If you do not wish the quiz to form part of an assessment, the children could participate in pairs to stimulate discussion around the questions and answers. If this is the case, give out one answer sheet between two children. At the end of the quiz, collect the papers in to mark later if you are doing an assessment (an answer sheet is provided in the session resources), but if not, show the answers PowerPoint so children can mark their own or swap and mark – this will help to reinforce the learning of the block.

The Outcome

The motivation for this block has been to help a fictitious Ms Pullman of Play and Learn Toys by designing some exciting toys and games that work using magnetism. During this session you will explain that all the toys and games will be photographed for Ms Pullman. She will also be sent copies of the plenary task sheets that show written details of each toy: what it is called, how it is played, how magnetism is used and what the players will learn. This means that the finished toys and games can be used by you as a shared learning opportunity. Consider staging a magnetic games session for parents and carers or other classes. The children will enjoy an opportunity to share their learning and in doing so further embed the scientific principles involved. Remember to send some photos of your toys and games (and your event if you hold one) to the Hamilton Blog. We love to see the amazing way that pupils and teachers embrace the learning and your photos will also inspire other teachers to have a go!