

# Isaac Newton : History : Year 2

	Learning Objective	Overview	Assessment Questions	Resources
<b>Lesson 1</b>	To find out who Isaac Newton was and when he lived.	Children will find out who Isaac Newton was and when he lived. They will be given a brief overview of his early life and consider some of the ways in which he encountered problems growing up. They will then find out how he went to university against his mother's wishes.	<ul style="list-style-type: none"> <li>Do children know when Isaac Newton lived?</li> <li>Do the children understand that Isaac Newton had a difficult childhood?</li> <li>Do the children understand that very few people went to university in Newton's time?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Question and Answer Cards</li> <li>Information Sheet</li> <li>Worksheet 1A/1B/1C</li> </ul>
<b>Lesson 2</b>	To find out about Isaac Newton's scientific discoveries.	Children will explore some of Isaac Newton's inventions and achievements. They will be given a brief overview of some of his most important finds in a simple and clear way, and will consider the impact each of these achievements.	<ul style="list-style-type: none"> <li>Do children understand what Newton found out about light?</li> <li>Do children understand what Newton found out about gravity?</li> <li>Do children understand that Newton invented a better telescope?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Worksheet 2A/2B/2C</li> <li>Worksheet 2C Answer Sheet</li> <li>Experiment Sheet (FSD? activity only)</li> <li>Prisms, lenses, paper/card (FSD? activity only)</li> </ul>
<b>Lesson 3</b>	To find out how Isaac Newton interacted with other people, and why this is important.	Children will consider some of the reasons why Isaac Newton found it difficult to make friends. They will then be introduced to some of his contemporaries and think about who helped and supported him and who disagreed with him or tried to take credit for his work. Children can use this as an opportunity to consider the importance of friendship.	<ul style="list-style-type: none"> <li>Can the children explain why Isaac Newton was difficult to get on with?</li> <li>Can the children explain what Isaac Newton thought of other people, and what they thought of him?</li> <li>Can the children explain why friends were important to Isaac Newton?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Worksheet 3A/3B/3C</li> <li>Information Sheet</li> <li>Character Cards (FSD? activity only)</li> <li>Puppet Outlines (FSD? activity only)</li> </ul>
<b>Lesson 4</b>	To find out about how Isaac Newton let other people know about his work.	Children will investigate ways in which Isaac Newton told people about his ideas and inventions, from written articles to chats with friends. They will then compare this with more modern methods of communication and think about which is more effective.	<ul style="list-style-type: none"> <li>Do children understand why communicating science is important?</li> <li>Do children understand there are different ways of communicating science?</li> <li>Do children have some ideas about how they could find out about scientists who are not on TV?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Worksheet 4A/4B</li> <li>Ranking Cards</li> <li>Prism Experiment Sheet (FSD? activity only)</li> <li>Challenge Cards (FSD? activity only)</li> </ul>
<b>Lesson 5</b>	To identify similarities and differences between science in the seventeenth century and science now.	Children will explore some of the ways in which modern scientists are similar to and different from scientists in the seventeenth century using a variety of sources. They will think about areas such as how technology has changed, how information is shared and how scientists work together.	<ul style="list-style-type: none"> <li>Can the children identify similarities and differences between scientists in the past and today?</li> <li>Do children know that Newton was typical of scientists in his time?</li> <li>Can children explain how science is done differently or similarly to how Newton did it?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Picture Sheets</li> <li>Scenario Cards</li> <li>Worksheet 5A/5B</li> <li>Materials for experiments as needed (FSD? activity only)</li> </ul>
<b>Lesson 6</b>	To find out about Isaac Newton's later life and re-cap what we have learnt about him.	Children will recap what they have learnt about Isaac Newton. They will find out about his later life, such as becoming Master of the Mint, and consider some of the ways in which future scientists built on his work. They will consolidate what they have learnt to order major life events chronologically and retell facts about his life and achievements.	<ul style="list-style-type: none"> <li>Can the children recall and describe the main events in Isaac Newton's life?</li> <li>Can the children identify his main achievements and explain why they are important?</li> <li>Can children select the most important information to tell other people about Isaac Newton's life and achievements?</li> </ul>	<ul style="list-style-type: none"> <li>Slides</li> <li>Timeline Sheet A/B/C</li> <li>Challenge Cards (FSD? activity only)</li> </ul>