

Activity 1:

Students' activity	Time	Teacher's Actions	Students' Actions	Related to Session's ILO
1.	0m 10 15	<p>Present Newton's image and explain the following to students: Isaac Newton was a great scientist. He lived in England 400 years ago.</p> <p>Ask students what they know about Newton.</p> <p>Develop a mind map on the board centered on "Isaac Newton". (This will be completed later, so leave room).</p> <p>Tell students that they are going to explore what Newton achieved using computers and books.</p> <p>Ask them what sort of things they think they should look for.</p> <p>Create a separate list of key words/phrases on the board to direct their search,</p> <p>as well as his discoveries to guide students towards general features, such as:</p> <p>Family, friends, children, home, country, money, relationships, health,</p>	<p>Listen and take preliminary notes.</p> <p>Students volunteer suggestions.</p> <p>Students directed to work in groups of 2/3 to collect information on Newton using either a digital record or paper format.</p>	1



		<p>age, school, hobbies, arguments, enemies, employer, beliefs.</p>		
	20	<p>Circulate around the classroom and encourage students to question what they are reading. Promote small group discussions and exchanges.</p>		
	45	<p>End the research and return to the mind map, ask for additional information. Refer to the search terms established earlier.</p> <p>Draw the mind map out into features that influenced Newton and benefited his scientific work.</p> <p>Ask students whether they think that anybody could achieve what Newton achieved.</p> <p>(Encourage them to see that Newton was not so different from anyone else.)</p>	<p>Provide feedback from their research.</p>	
	60	<p>Summarize the findings and explain that we are all shaped by our environment and those around us. None of us is alone. Scientists are as much a part of a community as anyone else.</p>	<p>Volunteer answers.</p> <p>Listen</p>	



Preparatory tasks for Students(if they needed):	—
Teacher's preparatory actions:	Prepare an image of Newton to display throughout the session so that students can focus on him. Access to computers and text based material.
Notes:	The focus does not have to be Newton. Any prominent scientist will do. It is possible that students will have very little knowledge of Newton before the task is completed, which is fine. This makes additions to the mind map towards the end of the session more impactful.

