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Salisa Woraphan
Sir Isaac Newton
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Have you ever wondered why all of the objects always fall to the ground and why we could stand on the surface of the earth? How could that happen? This maybe the popular question for most of the people. From all of this questions, one person was also wondered in the same way as you and he could also help you to figure it out. This man name is 'Sir Isaac Newton', he had created so many works that very useful in our daily life such as reflecting telescope, demonstrated the differential and integral calculus formulated, developed a theory of color, law of cooling, speed of sound and his greatest work is universal law of gravitation.

When you are talking about Sir Isaac Newton, many people may think of the man who was sitting under the apple tree. Sir Isaac Newton was born in December 25 1642, Lincolnshire ,England. He was born in poor farm family and also born after death of Galileo for a little bit. He love to spend time with reading the books, doing the experiments and inventing new things. And he also graduated from Cambridge University. Sir Isaac Newton had wrote the famous book name "Philosophiae Naturalis Principia Mathematica"¹ which has a lot of influence to science in nowadays such as law of motion and law of inertia.

Once upon the time Sir Isaac Newton was sitting in the garden, Woolsthorpe on the afternoon under the apple tree. After that an apple fall and hit his head. So, he was wondering how could that happen and why the apple do not fly up to the sky². Then he thought that there must be some forces which is pulled it down to the ground. Moreover he was thinking about the height of the tree. If the tree is a hundred of centimeters high instead of only four or five centimeters, would the apple still fall in

1 Newton's book 31 Jan12<<http://scienceworld.wolfram.com/biography/Newton.html>>

2 Isaac Newton apple tree 2 Jan12<<http://www.york.ac.uk/physics/about/newtonsappletree/>> 1

the same way or not?

From the apple fall situation, it inspired Newton to figure out how objects always stay on the surface of the earth. While he was looking and wondering about why the moon is going around the earth all the time. Then Sir Isaac Newton came out with the universal law of gravitation from his own experience. Universal law of gravitation is the force that acts between two objects to attract each other³. For example the gravity between human and the earth.

Moreover he was wondering why all the objects always fall to the floor. Then Sir Isaac Newton started to do the experiment. Firstly, he started with shaking the stone all around like a circle and he can see that the stone does not go away from the circle. Therefore, it is a reason why the moon always orbits around the earth from the gravity of the earth that used to pull the moon⁴. He thought that the force pulling the apple down is the same kind as the force that pulls the moon to stay in the orbit of the earth. After that he tried to figure it out and he discovered one new thing. Gravitational force is the force between mass and gravity which makes human and everything stay on the surface of the earth. Gravity is very important to our life. For example, it makes our food stay on the plate and helps us to walk on the floor. Isaac Newton has made a big impact on the theoretical of astronomy and science. On the other hand his health getting worse and worse through the hard works.

In nowadays, Newton law is widely accepted. As you can see there are many pieces of work which used Newton's methods to analyze and it is still a modern theory. On the other, there are awards that name after Sir Isaac Newton. However, there are prizes that give to physician by annually which is called Isaac Newton Medal⁵. And the unit that we use to measure this gravity force is called "Newton"

3Isaac newton 10Feb12<http://en.wikipedia.org/wiki/Isaac_Newton

4Richard S. Westfall "the life of Isaac Newton 10 Feb 12

5Isaac Newton Medal 10 Feb 12<http://en.wikipedia.org/wiki/Isaac_Newton_Medal

named after Isaac Newton. You can see that there so many things that named after Newton's name to give him the respectful. Hence, he it very well known.

From all the information above we could considered that, he is the best scientist in sixteenth century. He has a lot of great works and he also the first scientist who talk about gravity. No one in the part has ever made the greater work to the understanding of the universe. As you can see that almost of scientific thing today still base on Sir Isaac Newton hypothesis in the part. Not only he is very famous scientist, astronomer and mathematical but he also being a really good example of scientist today even some of his theory is false but it is still hard to created our own. And he also the first person who could explain why the planet stay in the orbit. He won a lot of prizes after he left. Sir Isaac Newton will never be forgotten.