

**Isaac Newton: Mini Unit  
for  
Middle & High School**

**For  
Special  
Ed**

**11**





*This unit was created with this guy in mind. He has autism and an intellectual disability. He is a non-reader, and still is totally in love with Sesame Street. With some support he is able to do this unit, and enjoys the challenge. He is my tester!!*

***This unit comes from my Famous Scientists Unit. It pulls out just the information on Isaac Newton and related activities.***

***To see the entire unit on Famous Scientists,  
[CLICK HERE](#)***

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4-29	Isaac Newton
30-32	Vocabulary board
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*Also included with this unit is a power point show that is narrated and has automatic advancement of slides. Let me know in the feedback if this was helpful 😊*

*Also included with this unit are detailed lesson plans in a separate file. Let me know in the feedback if this was helpful 😊*

*This unit contains over 50 pages of material. I have included a detailed lesson plan to help you make the most of everything in this unit including how to add some group activities.*

# Isaac Newton

## Lesson Plan

### Preparation

- Print out a vocabulary board for each student to use throughout unit
  - Laminate or place in page protector
- Book
  - Print out, laminate, and bind
  - OR your students can listen to the pre-recorded version

### Teaching Tips

1. *Color Coding:* this is a really easy way to add more structure to a matching activity. Outline or color in an empty box or sorting label. Outline or color in the corresponding picture symbols the same colors. Becomes a color matching task.
  - a. For more info, read more here:  
<https://specialneedsforspecialkids.org/2015/09/05/using-color-coding-for-differentiation/>
  - b. I also have a blog post on differentiating one activity 3 ways:  
<https://specialneedsforspecialkids.org/2018/10/22/differentiating-1-activity-3-ways-easily-and-effectively/>
2. *Make you own copies of the activities:* Every day I review the activity we did yesterday. For that reason:
  - a. I often complete the activity myself and often laminated it for easy review that I could use year after year.
  - b. My copies were also helpful as either a model for students who needed more support or as a way for more advanced students to self-check their work.
3. *Options for Use:* Turn any activity into a reusable file folder activity by laminating and adding Velcro.
  - a. For more info, watch this video here:  
<https://www.teacherspayteachers.com/Product/Making-File-Folder-Activities-3474240>
4. *Assessments*
  - a. This mini unit does not have the traditional assessment. Instead, there is a close (fill in the blank) worksheet for student to complete.

The lesson plans contain:

Overall tips for teaching students with significant needs

## Quick Look

Day	Activity
1	<ul style="list-style-type: none"><li>• Book</li><li>• Fact Sheet</li><li>• Vocab board activity</li><li>• Circle map</li></ul>
2	<ul style="list-style-type: none"><li>• Book</li><li>• Fact Sheet</li><li>• Vocab board activity</li><li>• Writing prompt</li></ul>
3	<ul style="list-style-type: none"><li>• Book</li><li>• Fact sheet</li><li>• Vocab board activity</li><li>• Close Worksheet</li></ul>

### Some YouTube videos to add to this lesson:

- Isaac Newton - English Physicist & Formulated the Laws of Gravity | Mini Bio | BIO: <https://youtu.be/PCxP24qj2UQ>
- Newton's Discovery-Sir Isaac Newton: <https://youtu.be/h48BWDdeBLno>
- The quick story of Isaac Newton: <https://youtu.be/lvTbtma25j8>

*The lesson plans contain:*

*A quick look at what you will do each day*

## Day 1

Activity	Notes	Materials
Read or listen to a recording of the book (15 minutes)	<ul style="list-style-type: none"> <li>Since this is the first-time students are seeing the book, I <b>focus a lot on the pictures</b> <ul style="list-style-type: none"> <li>Ask lots of questions about what they might think the pictures mean or may relate to</li> </ul> </li> <li><b>Make connections between book and vocabulary board</b> (have students find relevant symbols on their boards to go with a concept or photo on page.)</li> <li>Go through the book <b>twice</b>, once just looking at the photos and a second time reading the story</li> </ul>	<ul style="list-style-type: none"> <li>Book</li> <li>Vocabulary board</li> </ul>
Isaac Newton Fact sheet (5 minutes)	<ul style="list-style-type: none"> <li>Review the fact sheet on Isaac Newton (laminated or place in page protector for durability)</li> <li>Find relevant points in the book</li> <li>Make connections to the vocabulary board</li> </ul>	<ul style="list-style-type: none"> <li>Fact sheet</li> <li>Vocabulary board</li> </ul>
<b>I Spy Game</b> with vocabulary board (10 minutes)	<ul style="list-style-type: none"> <li>Hold up one of the pictures from the board so only you can see it.</li> <li>Describe it with as much detail as you can</li> <li>Ask students to put their marker/counter on the picture they think you are holding</li> <li>Turn it around and ask students to raise their hand if they got it correct</li> </ul>	<ul style="list-style-type: none"> <li>Vocabulary board cut apart</li> <li>Vocabulary board</li> </ul>
Circle Map (10 minutes)	<ul style="list-style-type: none"> <li>Do the circle map on Isaac Newton</li> <li>Choose the best version (errorless or not) depending on the learning level of your students</li> <li>Students cut out symbols and place in circle map. You can also choose to use the photos.</li> <li>Make connections to the book as necessary</li> </ul>	<ul style="list-style-type: none"> <li>Circle map</li> <li>Scissors</li> <li>Glue</li> </ul>
Sharing (10 minutes)	<ul style="list-style-type: none"> <li>Each student shares their circle map with the group using the communication method of their choice</li> <li>This repetition is so important. Students are hearing the relevant vocabulary when:           <ul style="list-style-type: none"> <li>Read the story</li> <li>Review the vocabulary board</li> <li>Complete the circle map</li> <li>Share the circle map</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Completed circle maps</li> <li>Communication devices</li> </ul>

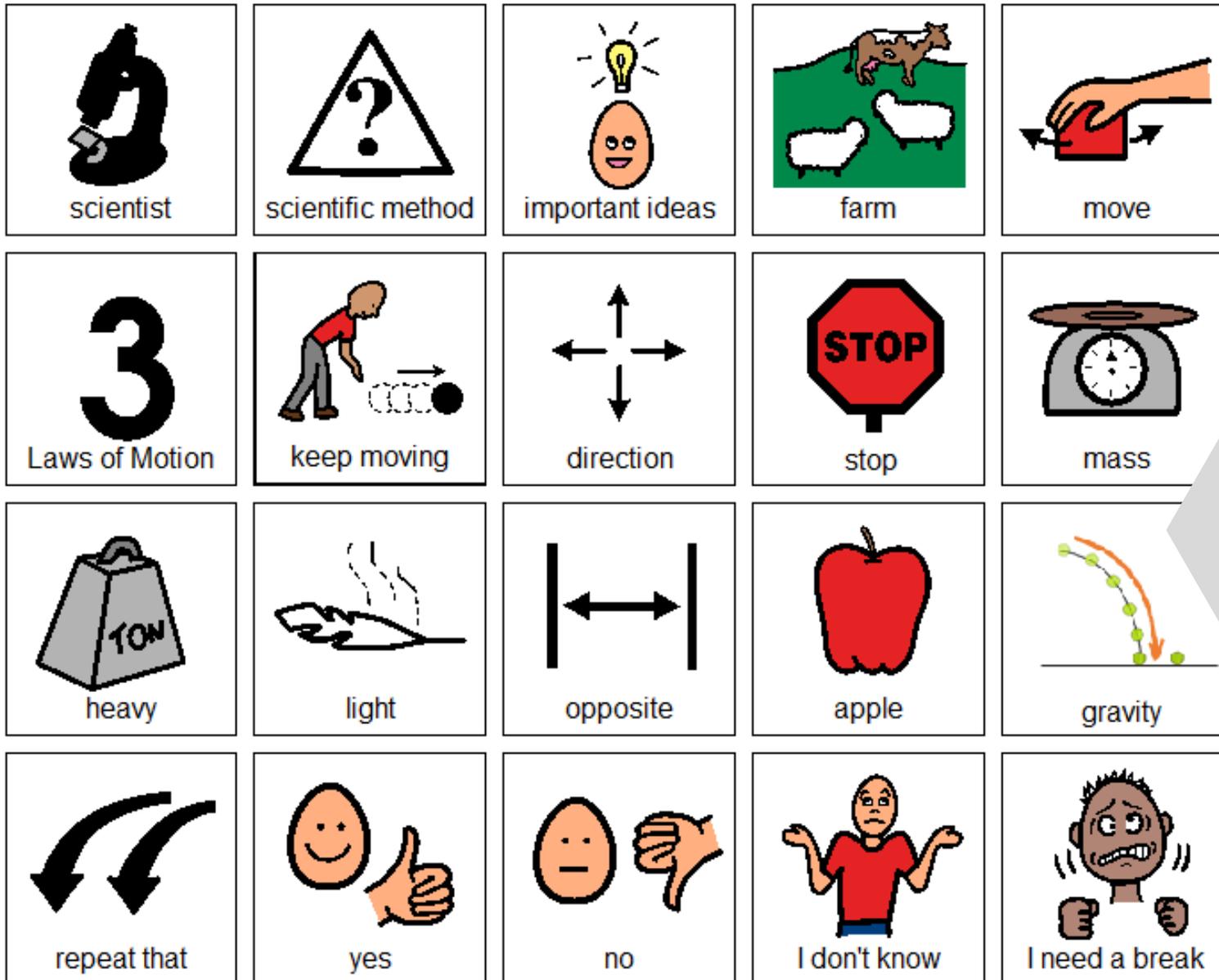
The lesson plans contain:

Detailed instructions on how that day's lesson should run

This unit comes with a vocabulary board.

Vocabulary boards are great for ALL students to assist with participation and engagement in group discussions.

Tips on how to use in the unit!!



The first law states that an object that is moving, will keep moving in the same direction and at the same speed unless something acts on it.



Christa Joy, Special Needs for Special Kids

For example, when the soccer ball is coming at you and you kick it, it will start moving in the opposite direction.



Christa Joy, Special Needs for Special Kids

*There is a 26 page book.*

*It comes in a pdf version as well as a voice recorded powerpoint (so you don't have to print it out.)*

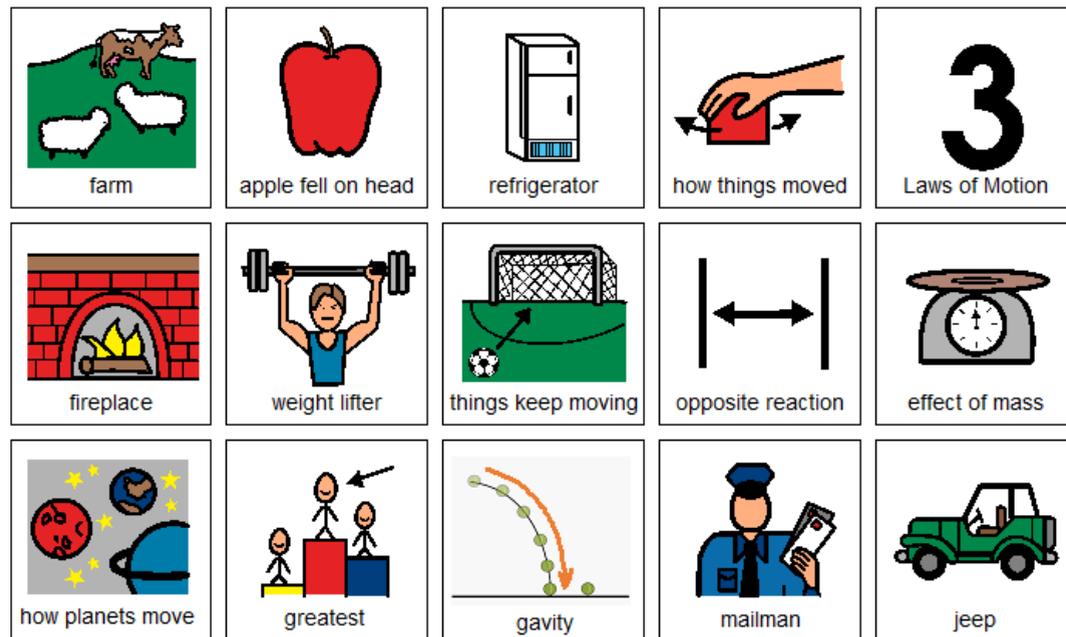
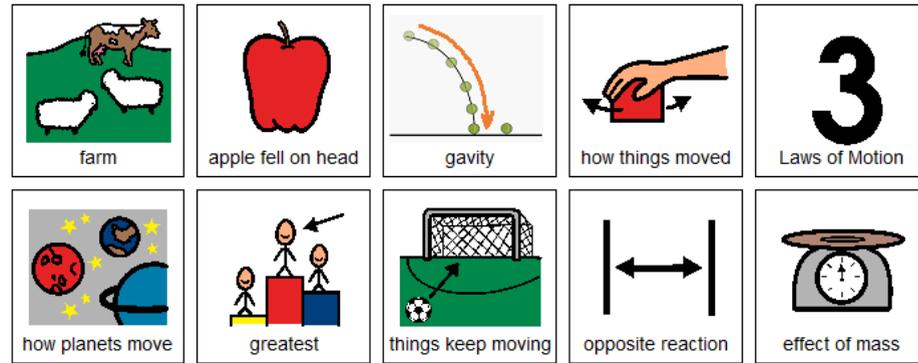
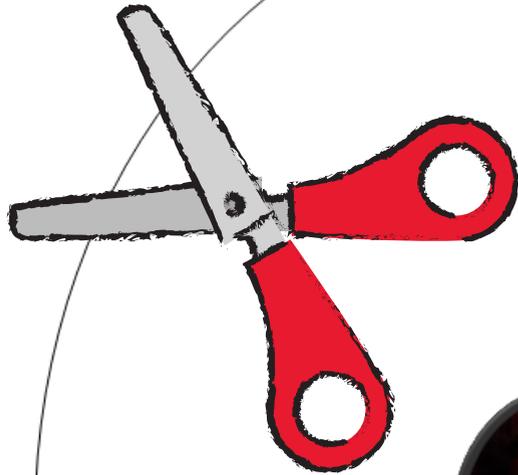


Isaac Newton  
1643-1727

- 🍏 He was born into a farming family.
- 🍏 He was interested in how things moved.
- 🍏 He came up with 3 Laws of Motion.
- 🍏 He discovered the effects of gravity when an apple fell on his head.
- 🍏 He was the greatest scientist of all time.

*There is a fact sheet to  
review daily.*

Newton



There is a circle map.

Circle maps are a great way for students to see the concept at a glance. There are 2 versions:

- One is errorless
- One has wrong answers mixed in students will have to set aside

Hello, my name is



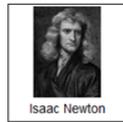
One day an apple fell

What made it fall? I decided to

I learned there was something called gravity. Gravity kept

on  the ground.

This changed how people thought about the



Isaac Newton



off a tree



on my head



to the ground



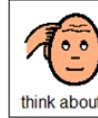
down



on me



investigate



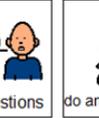
think about it



figure it out



ask questions



do an experiment



observe more



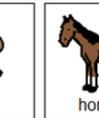
me



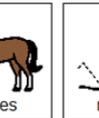
people



dogs



horses



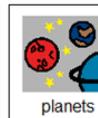
rabbits



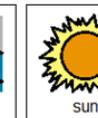
elephants



earth



planets



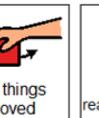
sun



moon

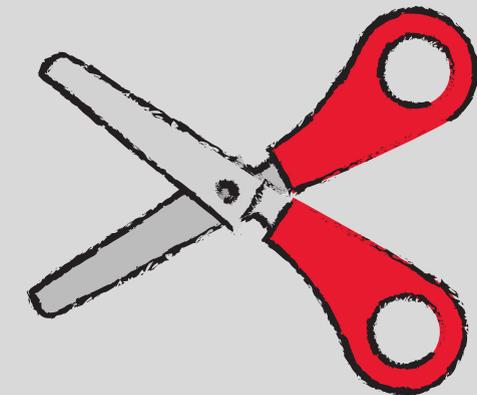


way things moved



reason things fall

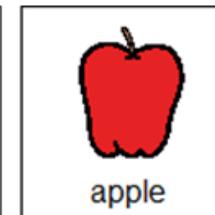
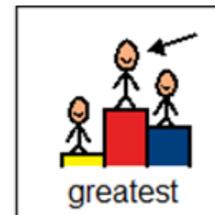
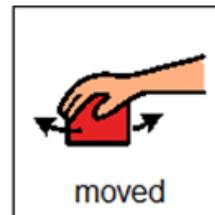
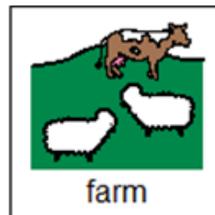
There is a writing prompt included. Students will write a story as though they were Isaac Newton. These writing prompts are errorless and students can do them more than once to make different stories.



# Isaac Newton

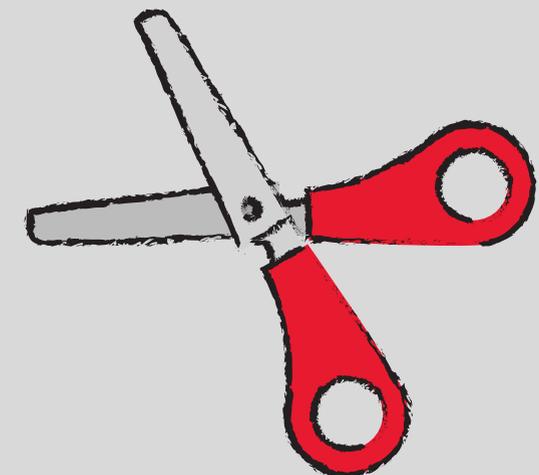


1. Newton was born on a .
2. Newton was interested in how things .
3. Newton came up with  Laws of Motion.
4. Newton became interested in gravity when an  fell on his head.
5. Newton is considered the  scientist of all time.



There is a close (fill in the blank) worksheet.

This will take the place of the normal assessment.





**[Click Here to read more!!](#)**

I realize there will be some students out there unable to do cutting activities. I have a blog post with ways to complete activities without a pair of scissors!!

*All of the activities (except the book and fact sheets) come in color and black and white.*