



# Scientists with Autism

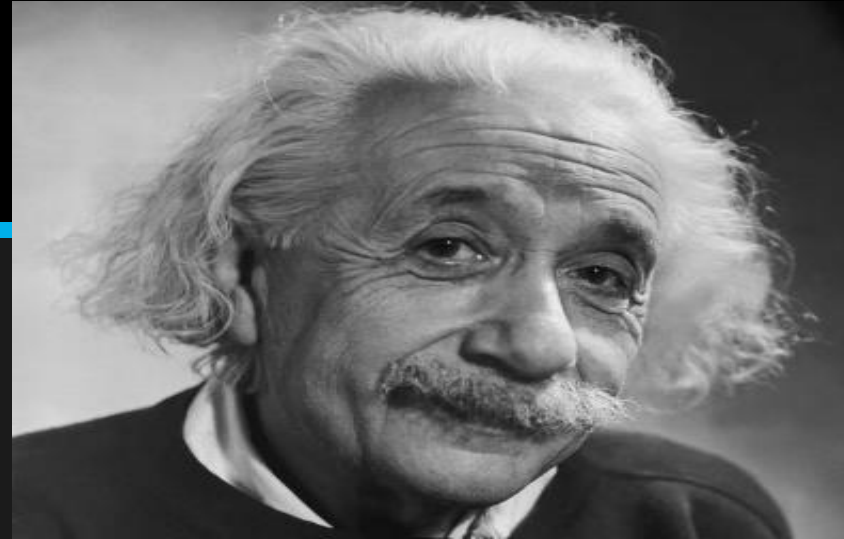
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Some well known scientists are now considered to have been on the autistic spectrum.

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- Some people with Autism can focus really well on things that interest them a lot.
  - This makes them very dedicated to their work.
  - Albert Einstein and sir Isaac Newton are very famous scientists who made important discoveries. Things that are known about them make people think that they were on the autistic spectrum.
  - We will now carry out an experiment that demonstrates one of their scientific discoveries.

# Albert Einstein



- Discoveries:
- **General Theory of Relativity:** – He introduced a theory that [gravity](#) is a curved field in the space time continuum that is created by the existing mass.
- **Special Theory of Relativity:** – This theory explained that time and motions are relative to their observers if the speed of light remains constant.
- **Quantum Theory:** – Einstein challenged the wave theory of light. Quantum Theory of Light proposed that light is composed of small packets of energy that are called photons. All these packets have wave like properties.

# Sir Isaac Newton



Newton first compiled his three laws of motion, *inertia*,  $F = ma$  and *action-reaction*, in his 1687 work *Principia*. They describe the relationship between a body and the forces acting upon it, and its motion in response to those forces.

He was the first to formulate the notion of gravity as a universal force.



# Experiment Time

It is now time to carry out an experiment based on Newton or Einstein's work.