"No great discovery was ever made without a bold guess."

– Sir Isaac Newton

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Sir Isaac
NEWTON
1642–1727

ENGLISH PHYSICIST AND MATHEMATICIAN

Newton is widely recognized as one of the most influential scientists of all time and as a key figure in the scientific revolution – not only because of the universal laws of motion, but also because of his work on optics: Newton developed a color theory based on his observations that a prism decomposes white light into the many colors of the visible spectrum, and he was also the first to show a diagram using a prism as a beam expander. Newton discovered chromatic aberration, and proceeded to design a telescope using mirrors, rather than lenses, hence building the first known functional reflecting telescope.

A phrase frequently attributed to Newton but which was used prior to him, speaks of the nature of the scientific enterprise "On the shoulders of giants...". There are many contributors to the advancement of knowledge, all over the world.