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mechanics of waves (both physical and electromagnetic) and oscillations, sum the strength of fields, and use dot and cross products. Even in projectile motion you have a lot of application of trigonometry.

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The understanding of angles and planes is the most common skill used by engineers. Trigonometry also contains an understanding on natural laws and mathematical expressions that can be used to assist in engineering. Engineers must have an understanding of angles and planes, as this is one of the most common

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in their job. Both mechanical and civil engineers make use of the mathematical understanding of planes to break down curvatures, patterns or electrical fields into ...

*How Do Engineers Use Trigonometry? - Reference.com*

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Besides other fields of mathematics, trig is used in physics, engineering, and chemistry. Within mathematics, trig is used primarily in calculus (which is perhaps its greatest application), linear algebra, and statistics. Since these fields are used throughout the natural and social sciences, trig is a very useful subject to

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*Applications of trigonometry - Clark  
University*

In physics, trigonometry is used to find the components of vectors, model the mechanics of waves (both physical and electromagnetic) and oscillations, sum the

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Trigonometry is a branch of mathematics that explores the relationships between the lengths of triangle sides and angles.

Engineers routinely use trigonometric concepts to calculate angles. Civil and mechanical engineers use trigonometry to

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Applications  
calculate torque and forces on objects,  
such as bridges or building girders.

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Trigonometry is used in aviation  
extensively, both in the calculations  
performed by the machines and computers



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Applications  
used by the pilots, and by pilots performing quick rudimentary calculations and estimates themselves. Trigonometry and trigonometric functions are used to estimate distances and landing patterns and navigate around obstacles.

*How Is Trigonometry Used in Aviation? -*

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course of this 2-3 week lesson the student  
will learn to use basic surveying  
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Applications of trigonometry in navigation are mainly used by specific satellite systems and astronomy, aviation and naval industries, land survey, oceanography and cartography (a stream of science involved in the creation of maps). We agree that an

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Applications  
Individual might not see the direct application of trigonometry in their daily life activities.

*Trigonometry Uses and Importance in our  
Daily Life ...*

Amongst the lay public of non-mathematicians and non-scientists,

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Trigonometry is known chiefly for its application to measurement problems, yet is also often used in ways that are far more subtle, such as its place in the theory of music; still other uses are more technical, such as in number theory.

*Uses of trigonometry - Wikipedia*

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Probably the single most cited practical application for math in our everyday life is for money management. If you can't add or subtract correctly, its going to be very difficult for you to survive in our dollar driven society.

*Practical Applications of Mathematics in*

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