USE AND APPLICATION OF TRIGONOMETRY IN REAL LIFE

* <https://www.youtube.com/watch?v=bGPIcQftgYI>

(How trigonometry is useful in real life)

Notes:

* How tall a building is
* Criminology
* In construction
* In Astronomy
* In video games
* In music – trigonometry is used to create digital audio

Introduction to trigonometry

* <https://www.mathsisfun.com/algebra/trigonometry.html>

Full documentation introducing trigonometry to a beginner.

Eddie Woo

Learning mathematics – youtube channel

* <https://www.youtube.com/@misterwootube/about>
* Why is trigonometry important?

<https://www.youtube.com/watch?v=VjdCDZ0f3s4>

Notes: anything that operates in circles, anything that is periodic and repeats itself over and over

Up and down, left and right, or round and round – all in terms of trigonometric functions.

<https://en.wikipedia.org/wiki/Eddie_Woo>

The immensely practical application of mathematics. Not about mindlessly crunching numbers in the mind, but finding new ways to see problems, and asking the right questions to solve them by combining insight with imagination. Mathematics is a sense, that allows us to perceive reality, which would be otherwise be intangible to us. – like the sense of sight, touch, smell etc. Mathematics is our sense of patterns, relationships and logical connections. It’s a whole new way to see the world.

<https://www.youtube.com/watch?v=PXwStduNw14> – Geometry is the mathematics of all shapes. Not just circles and triangles etc.

Further learning Resource

<https://misterwootube.com/>

Further learning resource: Tailors and trigonometry

https://www.youtube.com/playlist?list=PL5KkMZvBpo5DdtHcMLtodrdN7nr79GJIJ

Trigonometry – Real life application

* <https://www.youtube.com/watch?v=sCyQ9DcDp2E>

Use can use it to calculate the heights of a large object

Calculate the distance of far away objects.

SIDE NOTE: Angle finder: How to find angles using everyday things

<https://www.ecosia.org/search?tt=4f71146b&addon=chromegpo&q=device%20used%20to%20measure%20angle%20of%20elevation>

<https://www.youtube.com/watch?v=2XEEuCPfVgA>

How to make a clinometer: <https://www.youtube.com/watch?v=dpsPpkRsWws>

<https://www.youtube.com/watch?v=FVqNEBWH4B0>

<https://www.mathsisfun.com/algebra/trigonometry.html>

More research information and details.