



Experiential Learning: Tenerife through Nature & History

Language Campus, La Laguna,
Tenerife

July 2025
Version 22

picture smart

nature smart

self smart

music smart

word smart

number smart

body smart

thinking smart

people smart

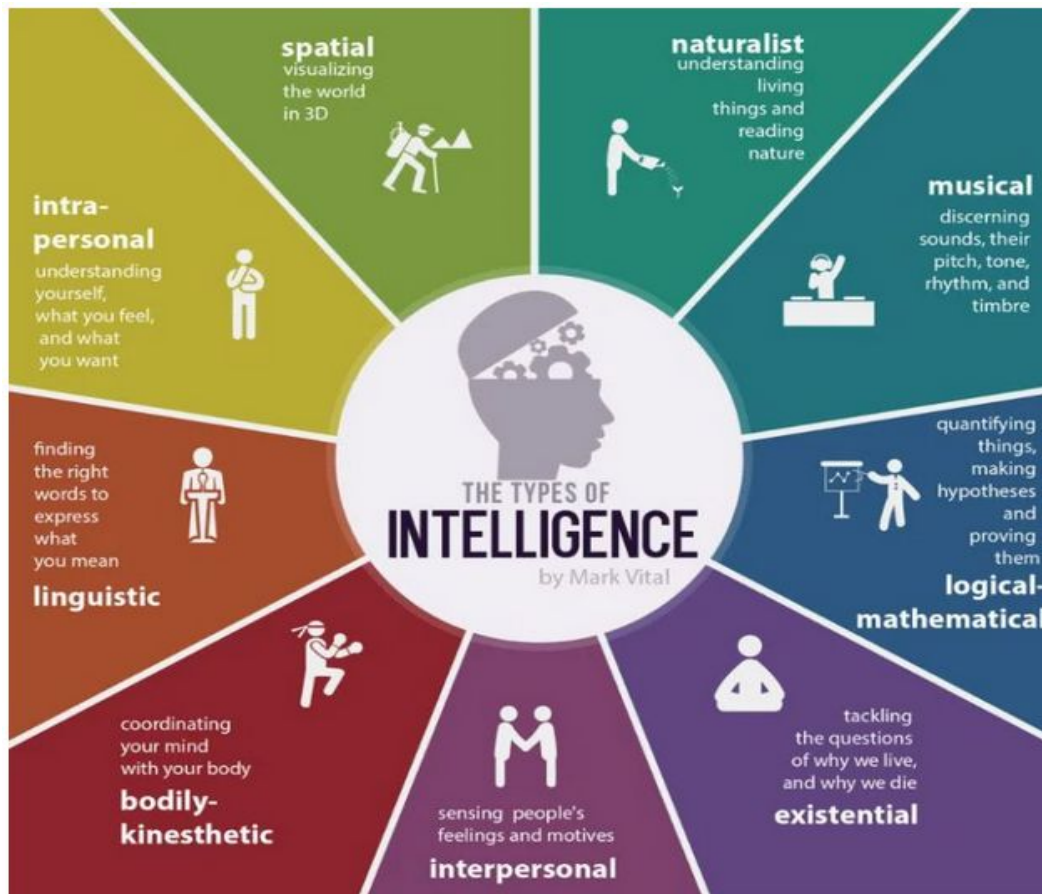
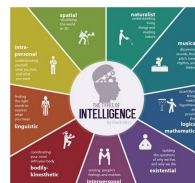
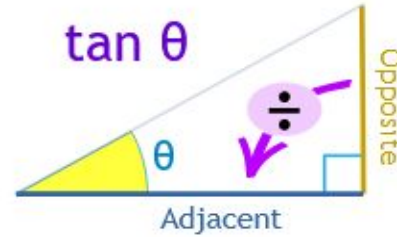
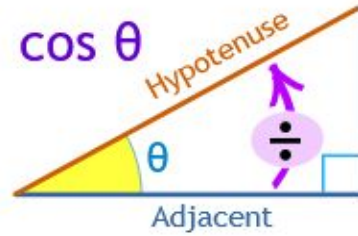
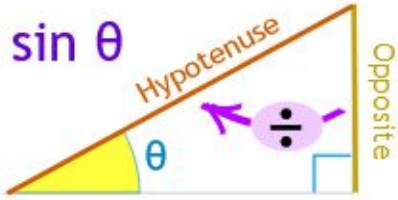


TABLE 1: HOWARD GARDNER'S MULTIPLE INTELLIGENCES

Multiple Intelligences	Description
Verbal-linguistic intelligence	Word smart – ability to use words effectively, abstract reasoning, symbolic thinking, conceptual patterning, reading and writing
Logical-mathematical intelligence	Number smart – the capacity to use numbers effectively and to reason well. Includes sensitivity to logical patterns and relationships, statements and propositions, functions, and other related abstractions
Musical intelligence	Music smart – capacities such as the recognition of and use of rhythmic and tonal patterns and sensitivity to sounds from the environment, the human voice, and musical instruments
Spatial intelligence	Picture smart – ability to perceive the visual-spatial world accurately and to perform transformations upon those perceptions. Includes sensitivity to colour, line, shape, form, space, and the relationships which exist between these elements. Also includes the capacity to visualise, to graphically represent visual and spatial concepts and to orient oneself properly in a special matrix
Bodily-kinaesthetic intelligence	Body smart – the ability to use the body to express emotion, to play a game, and to create a new product
Intrapersonal intelligence	Self-smart – Self-knowledge and the ability to act adaptively on the basis of this knowledge. Includes possessing an accurate self-image, awareness of inner moods, intentions, motivations, temperaments and desires. Also includes the capacity for self-discipline, self-understanding and self-esteem
Interpersonal intelligence	People smart – the ability to work co-operatively with others in a small group, as well as the ability to communicate verbally and nonverbally with other people
Naturalistic intelligence	Nature smart – the ability to recognise patterns in nature and classify objects; the mastery of taxonomy, sensitivity to other features of the natural world, and an understanding of different species
Existential intelligence	Thinking smart – the ability to pose (and ponder) questions about life, death, and ultimate realities like “Who are we?” and “What is the meaning of life?” This is a human response to being alive in all ways



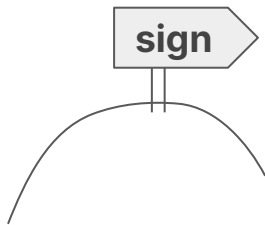
Using Verbal and Visual Intelligence to help with mathematics: early secondary school trigonometry and the *Pythagoras theorem*



$$\sin = \frac{o}{h}$$

$$\cos = \frac{a}{h}$$

$$\tan = \frac{o}{a}$$



over the **h**ill



ah...cos lettuce!



O my **a**ss!

I am a candle.

I start very big and end up as nothing.

My head is lit and I produce a flame.

I burn down slowly.

In some countries I am put on a Christmas tree.

I am old-fashioned and very fashionable.



= a Personalised Poem: Verbal intelligence to express meaning in simple natural science

I am a ...



My child is a metre and my baby is a centimetre.

I'm popular in Europe but my great rival is the mile.

On a motorway I can be driven (legally!) in 30 seconds.

Do them as riddles...

Make them collaboratively - "We are" instead of "I am"