

- - The teacher compiles a glossary together with the students that may contain definitions but also the Italian translation of the term, so as to provide the students with a bilingual lexicon. Below is an example of the glossary.

Glossary:

Dominant allele: a type of gene that is dominant in the presence of a recessive gene

Genes: units of information about specific traits. Each gene has a specific place on a chromosome

Genotype: the alleles of an individual

Homozygous dominant: individual with a pair of dominant alleles

Homozygous recessive: individual with a pair of recessive alleles

Heterozygous: pair of non-identical alleles

Offspring: progeny

Phenotype: observable traits of an individual

Recessive allele: a type of gene that is not expressed in the presence of a dominant gene

Trait: a genetic characteristic

- - Students and teacher together do the online activity: *How unique are you?* (<http://labcenter.dnalc.org/labs/mendeliangenetics/media/unique.html>).
(<http://labcenter.dnalc.org/labs/mendeliangenetics/pdfs/student/Human%20Traits%20Checklist.pdf>)
- - The teacher prepares a series of problems of Mendelian genetics.
- - The teacher proposes a discussion on: Mendel, like many other scientists throughout history, was neglected while alive. Why?

- - The teacher helps the students prepare the Power Point presentation with the other classes involved. As an example he suggests the students do the following two very different presentations:

<http://www.youtube.com/watch?v=dOs6tLAYcUQ>

<http://www.khanacademy.org/video/introduction-to-heredity?playlist=Biology>

Bibliography

■ Internet sites on CLIL

<http://clilcom2.stadia.fi>

<http://www.eurydice.org>

<http://www.factworld.org>

<http://www.iclhe.org>

<http://www.ichm.org/clil/>

<http://www.tieclil.org>

■ Internet sites on scientific topics

<http://www.bbc.co.uk>

<http://www.newscientist.com>

<http://www.schoolscience.co.uk>

<http://www.scienceacross.org>

<http://www.scientificamerican.com>

<http://www.onestopclil.com>