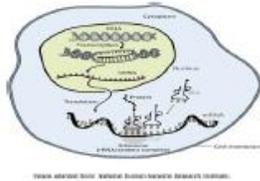


Genetic inheritance



Objectius

- .Understand genètic concepts: chromosomes, gen, phenotype, genotype, DNA, alleles, homozygot, heterozygot.
- . Understand Mendel experiments and the three laws. Describe genealogical trees.
- . Name differences between DNA and RNA.
- .Learn The Central Dogma of Molecular Biology: DNA makes RNA makes proteins. Describe transcription and translation.

Descripció de la proposta

These are two sessions of Genetics. In the first one, we are going to see how characters pass through generations using Mendel Laws. And we're going to analyze different diseases.

In the second session we are going to learn The Central Dogma of Molecular Biology, how DNA makes RNA and how RNA makes proteins. For this, we are going to watch a video, and play a game to create a doll with a specific characters. This project is a result of a GEP1 programme.

Aspectes didàctics i metodològics

These two sessions are based on a CLIL approach. This lesson plan is a good example of what we do in GEP because the students are practicing how to understand a text in a foreign Language, reading and writing in a cooperative way. English is the language they use and practice.

Recursos emprats

<https://www.youtube.com/watch?v=bKlpDtJdK8Q&t=54s>

<https://quizlet.com/99344368/transcription-and-translation-practice-flash-cards/>

Continguts, competències i processos que es treballen de forma destacada

.Science:

- .genetic inheritance vocabulary.
- .characters passing through generations and they are learning how to analyze a family tree.
- .the Central Dogma of Molecular Biology and their reactions.
- .characters passin from DNA to proteins

English:

- ..learning and reading new vocabulary.
- . hypothesis
- .analysis of the results.
- .summary of a process
- .explanation of conclusions.
- .explanation and it different steps.

Alumnat a qui s'adreça especialment

4rd of ESO

Interdisciplinarietat, transversalitat, relacions amb l'entorn

Science

Documents adjunts

Genetic inheritance project.

Autoria

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