

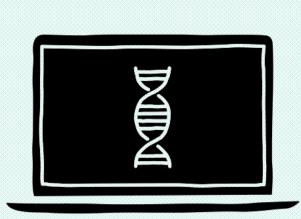
RUTH DOMÍNGUEZ RODRÍGUEZ GENETICS DEGREE | UAB | DIVULGATIVE PROJECT











LET'S REVIEW GENETICS

OBJECTIVES

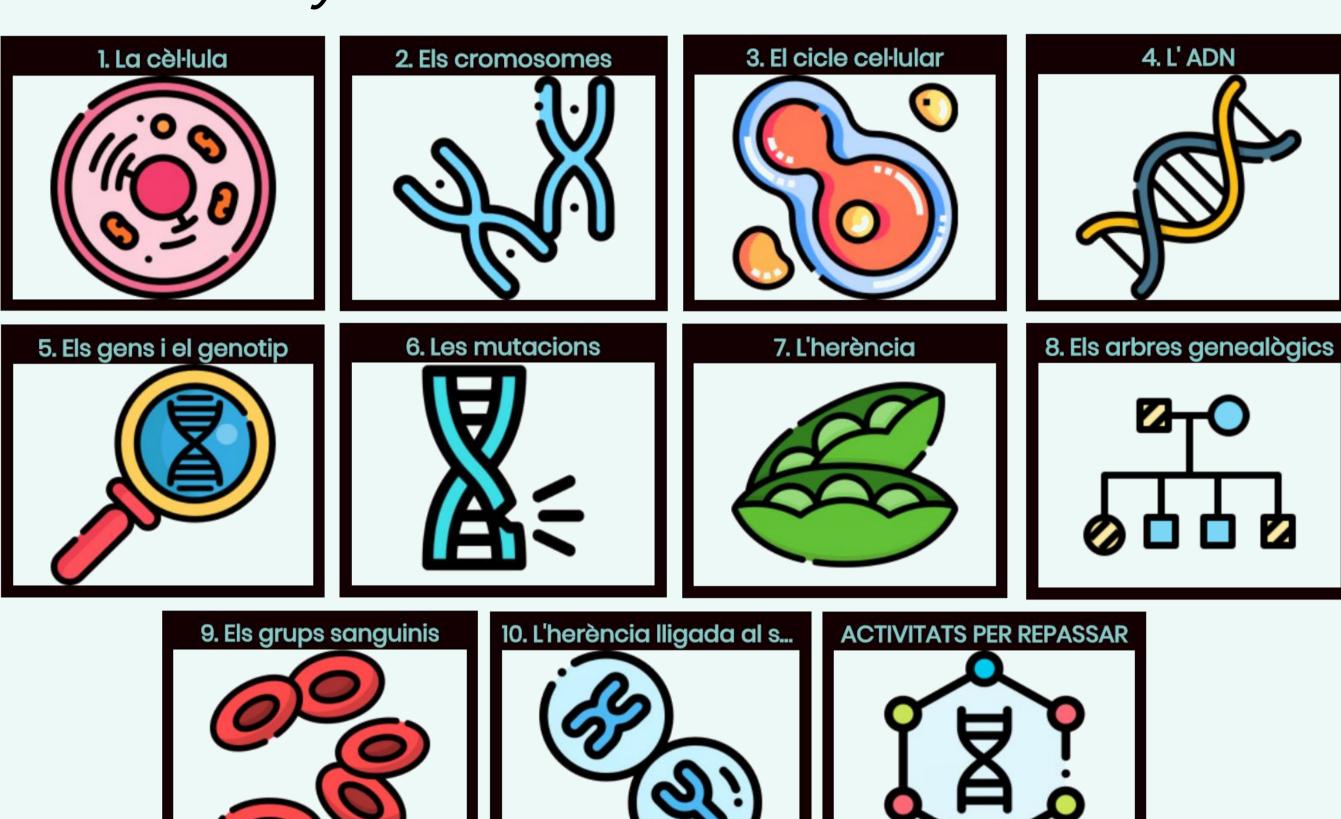
- Designing a quality online resource to go over genetical concepts to 4th ESO students.
- Designing pedagogical and playful activities that promote students' interest.

EDUCATIONAL INTEREST

- MM Consolidation of genetics content.
- Development of ICT resource.
- Possible telematics application.

THE MOODLE

- 10 Units + Review activities.
- Basic competences established by the *Generalitat de* Catalunya.



GLOSSARY

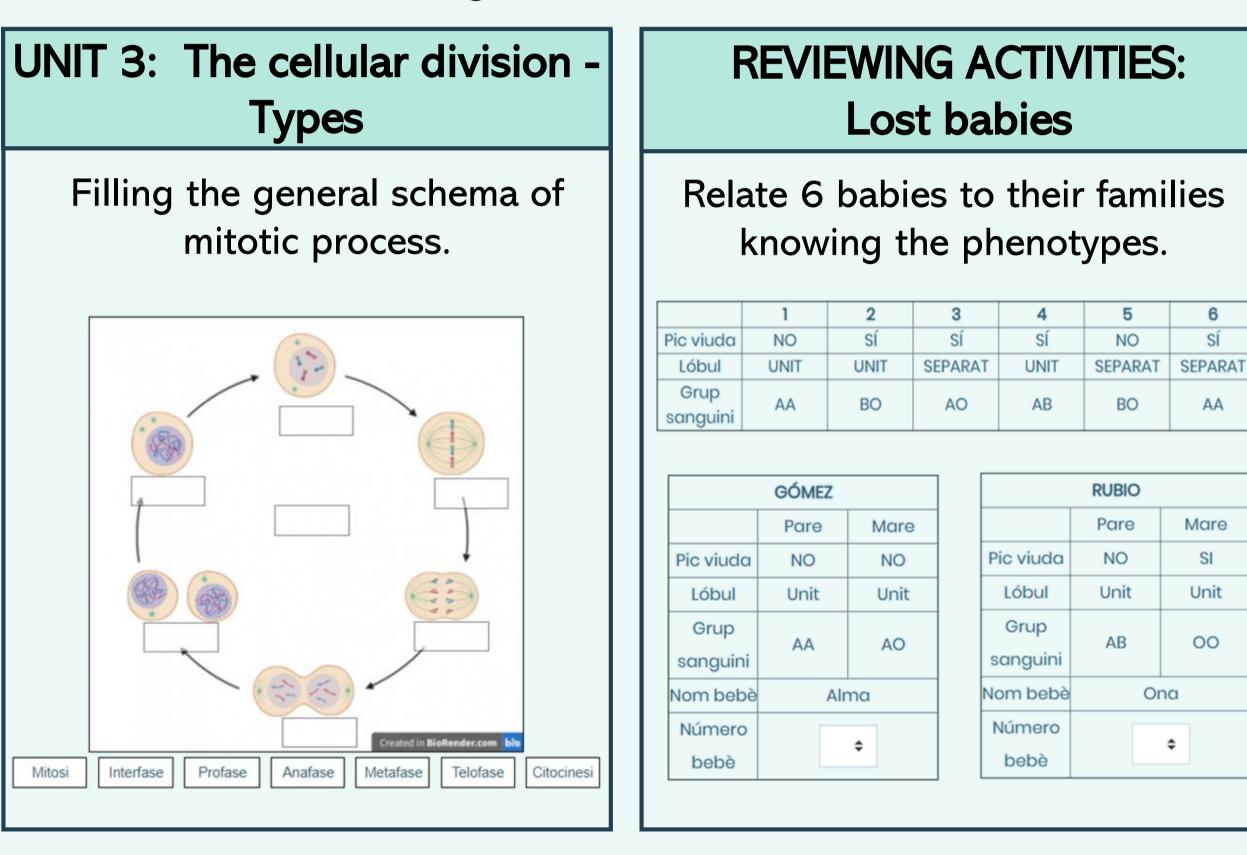
- Formed by 31 terms of 4 different categories:
 - The cell

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- The genotype
- The chromosomes The inheritance

ACTIVITIES

- 25 activities of different types and levels of difficulty.
- Exclusive design for Moodle.



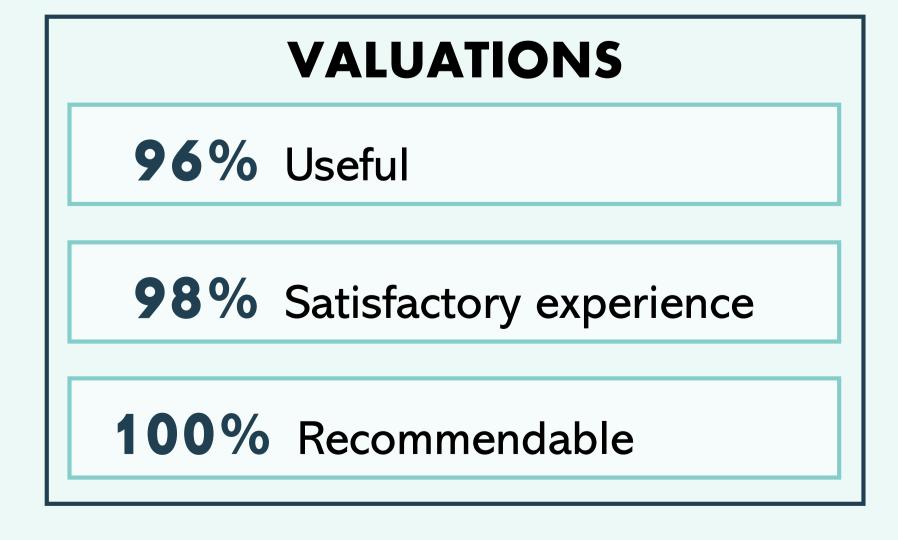
EVALUATION QUESTIONNAIRES

- MM Consisting on 12 questionnaires that can be answered by both students and teachers:
 - 1 course evaluation questionnaire
 - 11 individual questionnaires one for each unit

APPLICATION RESULTS

- Among the 9 institutes that showed interest in the Moodle:
 - 3 were interested on using it in the 2020/2021 academic year.
 - 1 was interested on using it with 1st Batxillerat students.
 - 5 were interested on using it with 4th ESO students.
- In total, among the 6 institutes, 111 students were registered.
- According to the 47 students that answered the "AVALUA'M!!" questionnarie:
 - 91% confirm that the syllabus corresponds with the class one.
 - There is a disparity of opinon regarding to the activities difficulty.
 - In general, students have found the Moodle experience useful and satisfactory, so they would recomemnd it.
- Future improvements to incorporate:
 - Incorporation of new activities with different difficulty levels.
 - Preparation of outlines or summaries of the syllabus.

ACTIVITIES DIFFICULTY RESPECT THE CLASS ONES More difficult 19% Easier Same 17% level 64%



REFERENCES

http://158.109.38.145:8080/moodleTFG/ Icons from Freepik on www.flaticon.com Activities outlines designed on www.biorender.com

ACKNOWLEDGMENTS

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