

TEACHER: Ma. Soledad Guida

YEAR: 1° AÑO

A, B y C

BIOLOGY YEARLY PLAN

ERAL AIMS:

To interpret and analyse daily life phenomenon and facts through the sciences that make up the area, enhancing value.

To foster debate and collaboration among peers.

To learn concepts through lab practice and investigation.

To search for different technological tools available.

To acquire a sound scientific culture, resulting in more responsible citizens.

LS TO BE DEVELOPED:

Communication (C)

Critical thought, initiative and creativity (CT, I&C)

Analysis and comprehension of information (A&CI)

Problem solving (PS)

Social interaction, collaborative task (SI&CT)

Responsible citizens (RC)

Rating art work (RAW)

Self care, personal development, independent learning (SC, PD & IL)

JE/NÚCLEO	AIMS	CONTENTS	SKILLS/ ACTIVITIE
N° 1/ NP 1 Y	 Name, describe, analize and explain 	n <mark>NÚCLEO 1:</mark>	*Simulation of an experiment
2	the characteristics of living	The common denominator	to determine the organisms r
	organisms.		(Science bits- Vital processes
"LIVING	 Define and describe the Binomial 	1.1.1. Characteristics of	*Lab practice with earth worn

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RGANISMS, UNIT AND IVERSITY"	 Define, characterize and clasify different systems. Link them to human beingscterizar y clasificar distintos sistemas. Analize and clasify the different levels of organization. Understand and explain the cellular theory. Handle, investigate and clasify differen cells using the light microscope. 		*Determining the different ce through Dichotomous keys *Microscope simulator with s blood, cheek cells, muscle as Sketching of cells. Questional
N° 2 NP 1 y 2 PRODUCTION	 Define and compare the sexual reproduction with the asexual one. Discuss the advantages of sexual and asexual reproduction among 	l2.1.1. Reproduction among	*Simulation of Redi experime *Analysis of videos on asexu reproduction.

species 2.1.2. Asexual reproduction. ◆ Describe and compare the female Examples and types of male reproductive bodyreproduction. 2.1.3 Sexual reproduction: structures. gamets and fertilization. Describe the menstrual cycle. Describe fertilization, the development of the zygote and its 2.1.4. Plants reproduction. implantation. ◆ Know the pregnancy and delivery NÚCLEO 2: Human being reproduction. cares. development of Growth, development and ◆ Describe the secondary sexual responsibility. *Videos analisys on adolesce primary and characters. changes. compare 2.2.1. Male and female ♦ Know. describe and different anticonceptive methods. reproductive systems, *Analysis of advertising cam ◆ Compare fertilization structuras and functioning. about different types of preven assisted methods 2.2.2. Embryo development *Comparative charts on sexu ◆ Diferenciate and describe sexualin human beings. transmited diseases. transmited diseases. 2.2.3. Puberty and ◆ Define health according to the OMS. adolescence: growth and ◆ Know the body changes duringdevelopment. Anatomical and physiological changes adolescense. at different vital stages. 2.2.4. Crontraceptive methods.OMS clasification. Effectiveness and usages. 2.2.5. Sexual and reproductive health enhancement.Prevention and care of sexually

transmitted diseases.

E N° 3/ NP 1 Y 2 VERSITY OF LIVING RGANISMS"	 Link the biological diversity to the evolutive changes. Clasify and give examples of the three main domains. (Archea, Bacteria y Eukaria) Identify the living organisms diversity at present as a result of a long process deriving from a common ancestor. Name the main characteristics of viruses. 	Clasifying organisms. 3.1.1.Taxonomy: Binomial clasification. 3.1.2. Genealogical trees. 3.1.3. The five kingdoms	<u> </u>

thodological strategies:

- Following the instructions given by the teacher, students will carry out different activities (in groups or individu
 will be shared in class, so they will be able to assess their own productions.
- Complex topics will be explained by the teacher.
- Some theoretical topics will be explained through lab practice.
- Biology material will be required on attending lessons. (books, folders in which classwork will be attached). It articles and lab tasks will be asked for accordingly.

hnological Projects:

Alindomo will be used to build up genealogical trees (1st and 3rd term). Simulations will be used to recreate different topics.

erdisciplinary projects:

Geography- Biology proyect. Eje 3, third term

lluation and class promotion

ders:

ey will be divided into two parts: Classwork and Tests. The teacher may require the students to hand it in at any time ing the term, it must be complete and in good conditions,since they might be checked without previous notification. be included in the "actitudinal one"

practice: commitment and behaviour will be graded during lab experimets.

th group will be assigned a lab- board. This and all the elements used during the task will be the responsibility of e Ib report will be evaluated by the teacher.

e**ks fulfilment**: If the students fail to accomplish daily tasks, the teacher might ask them to give an oral less responding mark.

t**erials**: Students must have all the required materials, if not, they won´t be able to fulfill their tasks and consequence verpoints, lab protocols and other documents must be printed and brought to class if required.

il tests: will be done as learning follow-ups between written tests. These might also be taken with or without fication.

tten tests: there will be at least 2 written tests per term, announced within two weeks in advance. The passing made of the contents. Those students who are absent to the test and don't bring the corresponding certificate will not the chance. Those with a certificate will be evaluated during the following week using a different exam.

tten tests must be legible. Those students caught cheating, will get a one (1) and will be asked to hand in a written t

ject the following week.

tude's mark: Each student will begin with a grade of 10 and it will be her/his responsibility to maintain it throughou achieve this the teacher will consider the class materials, correct use of specific language, active involvement as we of the topics in a respectful and orderly way. Class participation, oral tests, folders and general behaviour in cl sidered to build up the attitude's mark.

etable:

gnostic time: March

T N° 1: March-May

T N° 2: June-August

T N° 3: September-Dicember

igatory book:

ence Bits. Digital Repository: http://www.science-bits.com/en/