



	<b>SCIENCE STUDY GUIDE</b>	
<b>School Grade</b>	FOURTH GRADE	
	<b>SUBJECT</b>	
<b>Subject</b>	SCIENCE	
	<b>BIMESTRE</b>	
<b>Bimester</b>	SECOND BIMESTER	
	<b>PERIOD</b>	
<b>Evaluation Period</b>	From November 29 <sup>th</sup> to December 8 <sup>th</sup> 2017	
	<b>CONTENTS</b>	
	1- Viviparous, Oviparous, and Ovoviviparous animals 2- An oviparous life cycle 3- A viviparous life cycle 4- Biotic and abiotic components 5- Population and community 6- Predation, competition, parasitism, commensalism, and mutualism	
	<b>MAIN OBJECTIVES</b>	
	1- To describe the way viviparous, oviparous, and ovoviviparous animals are born. 2- To organize the structure of an oviparous life cycle. 3- To organize the structure of a viviparous life cycle. 4- To categorize some biotic and abiotic components. 5- To distinguish the difference between biotic and abiotic components. 6- To identify the main characteristics of predation, competition, parasitism, commensalism, and mutualism.	
	<b>STUDY MATERIALS</b>	
	Notebook and personal notes taken in class.	

TOPIC	PAGES	RECOMMENDED ACTIVITIES
Viviparous, oviparous, and ovoviviparous animals	Notebook	Describe to an adult the difference between the birth of viviparous, oviparous, and ovoviviparous animals.
<b>EXAMPLE</b>		
Oviparous animals lay eggs...		
TOPIC	PAGES	RECOMMENDED ACTIVITIES
An oviparous life cycle	Notebook	Complete an oviparous life cycle by drawing it. You can take the one you have on your notebook as an example.
<b>EXAMPLE</b>		
A baby bird hatch from its egg.		
TOPIC	PAGES	RECOMMENDED ACTIVITIES
A viviparous life cycle	Notebook	Complete an oviparous life cycle by drawing it. You can take the one you have on your notebook as an example.
<b>EXAMPLE</b>		

Baby cougars develop inside their mother for 91 to 96 days.

TOPIC	PAGE	RECOMMENDED ACTIVITIES
Biotic and abiotic components	Notebook	Make a list of biotic and abiotic components in the environment.
<b>EXAMPLE</b>		
Biotic components: trees... Abiotic components: water...		
TOPIC	PAGE	RECOMMENDED ACTIVITIES
Population and community.	Notebook	Analyze the population and communities around you and tell another person the difference between them.
<b>EXAMPLE</b>		
Population is a group of living things of the same kind...		

TOPIC	PAGE	RECOMMENDED ACTIVITIES
Predation, competition, parasitism, commensalism, and mutualism	Notebook	Make a concept map writing the main characteristics of each definition.
<b>EXAMPLE</b>		
Predation is when a big or strong animal eats a smaller or weaker one...		
<b>OBSERVATIONS</b>		
Since we are not working with a textbook this year, the recommendation is to study the notes taken in class or look for definitions and examples at other sources such as the internet.		