

Life Cycle of a Chicken

WebQuest Description: In this WebQuest, you will learn about the Life Cycle of a Chicken by visiting websites, watching videos, and having fun!

Grade Level: 3-5

Curriculum: Science

Keywords: science, life cycle, chickens

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Introduction

That egg in your refrigerator...where did it come from? A chicken, right? Where did that chicken come from? An egg. So a chicken lays an egg and later that egg becomes a chicken, but there is a whole lot more to the life cycle of that chicken than that! In this WebQuest, you will explore the life cycle of a chicken by visiting interesting websites, watching some videos, and having fun while learning!

Tasks

The ultimate goal of this WebQuest, is to understand the unique life cycle of an organism other than a human. You will be able to see the stages a chicken goes through to develop by visiting websites and watching some very interesting videos. You will make a poster at the end of the WebQuest to show your understanding of the chicken's life cycle. Standards: 3-LS1-1: Develop models to describe that organisms have unique and diverse life cycles but all have in common birth, growth, reproduction, and death. (Next Generation Science Standard) S3.B.1.1.4: Describe how plants and animals go through life cycles. (PA State Standard) S3.A.3.2.1: Identify what models represent (e.g., simple maps showing mountains, valleys, lakes, and rivers; dioramas). (PA State Standard)

Process

All links are listed in below!

1. You should get into groups of about 3 or 4.
2. After you have made your groups, you will need to print of the recording sheet (listed in the resources below).
3. You should visit the website called "Fertilized or Unfertilized" to learn the difference between eggs you buy at the store and eggs that hatch chicks.
4. Click the link below titled "Stages of Egg Development" and use the webpage to answer questions 1 and 2 on your recording sheet.
5. After viewing that webpage, watch the video below titled "Chicken Embryo Development." It will give you a closer look at what the chick looks like while it's developing inside the egg. After you've viewed the video, you can also watch "Chicken Embryo Development with Real Pictures." This video is not as descriptive but has pictures of real chicks during the different stages. It is a bit more graphic, so if you don't want to watch it, that's OK!
6. Next you should visit the link below called "What's an Egg Tooth?" It will help you answer question 3 on your recording sheet.
7. When finished with the link, you should click the resource called "How Chicks Hatch." Then, you should watch the one of these videos ("Chickens Hatching" or "Chick Hatching" to see what the hatching process looks like).
8. After watching the video, answer question 4 on the recording sheet.
9. To answer the final question (question 5) on your recording sheet, go to the link titled "Maturity." The information at the beginning of the video is information that we have already covered, but the answer to question 5 comes at the very end so pay close attention!
10. **Optional** With the link titled "Chicks Can Look Different," you can see that some chicks look different than the fluffy yellow chick that we usually picture in our minds!
11. When your recording sheet is filled out completely, click the link called "Chicken Quiz" to make sure you understand what you learned before moving on.
12. After you finish the short quiz, it will be time to make your group poster!

Poster requirements: Look at the poster requirements below before you start. After you've looked at the requirements, work with your group to make a poster showing the development of a chicken. Make sure you share responsibilities equally!

3. When your poster is finished, turn it into your teacher along with your recording sheet.

Evaluation

To evaluate how much you learned from the WebQuest, you created a poster. As the poster requirements stated, you will need to have neat, labeled drawings that show the development of a chicken. On the back of your poster should be your names and a list comparing chicken development to human development.

Category and Score	Did Not Meet	Somewhat Met	Met Completely	Score
Group member names on the back	Names not listed	-	All names listed	3

Category and Score	Did Not Meet	Somewhat Met	Met Completely		Score
Drawings	no drawings	drawings are sloppy	drawings are neat		3
				Total Score	

Conclusion

After finishing this lesson, hopefully you have a new, or better, understanding about how a chicken develops. From now on when you get out that egg for your omelette, you will think about where that egg came from and about how the chicken who produced that egg developed. If this topic interested you and you would like to learn some more about the development of a chick, here are some links that you can visit...

Teacher Page

Standards

Credits

Other