

# Evolution Summative Assessment: StoryBook

Assignment: Create a book that can be used to explain evolution through natural selection. Use its contributing terms to explain it to a child aged 8-10.

## Grading Rubric

**5:** Evidence suggests you have exceeded standard and applied understanding to new idea.

**4:** Evidence suggests you have met standard.

**3:** Evidence suggests you are approaching standard.

**2:** Little evidence to suggest you are approaching standard, need new teaching.

**1:** Evidence pertaining to standard is insignificant or absent.

Standard	5	4	3	2	1
<b>CONTENT</b>					
Book includes all necessary vocabulary.					
Book is constructed so that it is easy to see and recognize the different concepts involved in evolution and shows their relationship.					
Book is accurate and factual.					
<b>PROJECT</b>					
Book is creative and illustrations are interesting for a child to look at.					
Book is easily understood by a child.					
Coloring is used on every page.					
<b>WRITING</b>					
Book contains no spelling or grammatical errors and follows the general form of a children's book (examples provided).					
Title for book, cover page, and pages are numbered.					
<b>PROFESSIONALISM</b>					
Book is neat and exemplifies a quality product.					
<b>RESPONSIBILITY</b>					
Book is turned in on due date.					

TOTAL POINTS EARNED:

**Include the following necessary Vocabulary:**

*You need to use the ideas, as well as, the words.*

- Adaptation
- Natural Selection
- Fitness
- Trait/Gene
- Camouflage/Mimicry
- Geologic Timeline, Fossils
- Speciation
- Evolution
- Competition
  - Limited Resources
  - Predator/Prey Relationships
- Variation
  - Mutation
  - Genetic recombination

Additional Vocabulary that may be helpful: homologous structures, analogous structures, vestigial organs, gene pool, convergent evolution, divergent evolution, genetic drift, founder effect, bottleneck effect.

**Helpful Tips:**

- You must show me that you are proficient in your understanding of the above topics, as well as, how they contribute to evolution. Simply mentioning them or writing definitions will not be sufficient. Use the words in context that shows me you understand their meaning and relatedness.
- Less is more. A child will not want to read a wordy book with too many technical terms. Simplify as best you can without sacrificing meaning or accuracy.
- Accuracy means: using the ideas correctly... for example: you can still write about a unicorn even though they aren't real.
- Consider the following steps for deciding on what/how to write. Determine your:
  - Audience (who will be reading the book)
  - Voice (what style will you write the book in)
  - Theme (what point are you trying to get across)
  - Plot (what is going to happen)
  - Setting (where is it going to happen)
  - Characters (who is going through evolution)
  - Illustration (how can you show your story)
- Follow these steps for your writing:
  - Brainstorm
  - Rough Draft
  - Revise
  - Edit
- Constantly refer to the rubric and this page to make sure you are producing what I want to see. This is a summative assessment and will count for a significant percentage of your grade.