

Skinner Middle School

Science Summer Homework Plan – For All 6th Grade Scholars



STEP 1- READ

Find and read a science related article about a topic that interests you from a newspaper, magazine or one of the following websites.

Popular Science, NOVA, New York Times, Time for Kids, National Geographic, Earth and Sky Kids or Earth and Sky, NPR, Nature, Sciencenews.org, Sciencedaily.com

STEP 2- WRITE 2-3 paragraphs answering the following

- Summarize the article making sure to include the main points and scientific vocabulary
- Personal Response to the following questions:
 - Can this apply to your daily life? Use Claim, Evidence and Reasoning/CER
 - Explain whether you agree or disagree with the scientists' claim.
 - What background knowledge did you use to help you understand and/or infer the meaning of the article?
 - Skinner Scholar work must be typed with the article attached or include the link to the article
 - Due date--it is due before the 1st day of school

All work needs to be submitted through Google Classroom. Alternately if you are without access to a computer you may also complete this work on paper and submit to your science teacher on the first day of school.

Submitting finished work-

1. Submit to google classroom with class access code- 10382a1

log on to your DPS google account:

Username: student id (this is your lunch number) @dps12.net

Password: 8 digit birthday

Difficulty logging on to Google Classroom? Search the web for tons of helpful tutorials or use the link below. <https://www.youtube.com/watch?v=qgtDtid2yuQ>

Teacher contact Information: brooke_gunn@dpsk12.net or christopher_martin@dpsk12.net

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Science Summer Writing Rubric

	0	15	20	25
Claim	Students make an inaccurate claim or make a claim that does not address the text	Students create an accurate but incomplete claim that partially addresses the text.	Students create an accurate and complete claim based on the text.	Students create an accurate and complete claim that synthesizes multiple sources of information or cites outside sources.
Evidence	Students do not provide evidence to support claim.	Students do provide evidence, but it is lacking in its support of the claim. One or two pieces of evidence.	Students use multiple and appropriate sources of evidence to support their claim. Three or more.	Students demonstrate a strong command of use of evidence and are able to organize their evidence strategically, emphasizing the most impactful piece of evidence.
Reasoning	Students are not yet able to provide reasoning or provide reasoning that is not yet appropriate to the claim.	Student attempts to provide reasoning, but it does not connect the claim to the evidence included.	Students provide sufficient and appropriate reasoning that connects the evidence to the claim. Students explain why the evidence supports the claim.	Students demonstrate strong command and are able to critique the strength of their own reasoning or others' reasoning.
Academic Language	Students writing piece is difficult to understand due to poor use of grammar. Student does not include scientific language from the text.	Students writing piece is generally easy to understand, but contains some errors. Student uses some scientific language from the text, but may not use it correctly.	Students writing piece is easy to understand, and contains few errors. Student uses scientific language from the text correctly.	Students writing piece is easy to understand, and contains few errors. Student uses scientific language from the text correctly with precision and nuance.

Example Response

C. B.
August 2017

Science Article Response #1

The claim that the scientists are making is that they can edit human DNA in human embryos so that the baby will not be born with a disease. An international team of scientists have found a way to edit human embryos DNA without causing bigger problems. The team has already edited a human gene to stop a heart disorder. This could be used to stop lots of different diseases. Some people fear that a mistake could be passed on from the parents to the kids. Others fear that it may be used to create designer babies that would allow parents to modify their kids to make them the way they want them.

This could affect my life because if they could stop diseases, then my children in the future would have a better chance of surviving and living without disease. Also, my sister was born with a heart problem and she died as a baby. If DNA editing had happened before that, she would have had a better chance at living. Based on my background knowledge, I know that scientists have been trying to get rid of diseases in babies. I also know that they been working with DNA to stop these diseases. I know that there can be problems with DNA editing, but I agree that they have already made some small steps and should continue with the work.

Stein, Rob. "Scientists Precisely Edit DNA In Human Embryos To Fix A Disease Gene."
NPR 2 aug. 2017