

# Science Project Menu

*Pick items below to earn a possible 100 points.*

*Keep in mind, that each part of your project will be graded based on the rubrics attached.*

## **Appetizers (worth 10 points each):**

- Create a crossword puzzle using at least 10 words from the word wall and definitions
- Read a science related book approved by your teacher from the library and pass an RC test on that book
- Create a small poster or illustration about a science topic from our list
- Write a song to help remember something within the science list

## **Main Dish (worth 50 points each):**

- Science Fair Project
- Soil & Water Speech/ Essay/ Poster
- Write a children's book about a topic on our list; must include pictures & words
- Create a graphic novel that includes science related content from our list; must include pictures & words
- Research a famous scientist
  - Create a presentation about your scientist or
  - Write an essay about your scientist
- Create a museum exhibit about a topic on our list
- Research a career that uses science
  - Create a presentation to show your findings or
  - Write an essay to show your findings

## **Sides & Desserts (worth 20 points each):**

- Create a science video on a topic we have studied thus far in the school year
- Create a video showing how to do a science experiment (must get approval from teacher prior to filming)
- Create a brochure describing a science topic from our list
- Create a game with at least 20 questions to review a science topic on our list
- Create a newsletter that includes various science topics from our list (think Science weekly/Science world)
- Brainstorm 2-3 issues in science that congress should consider doing something about. Give specific reasons these items should be a priority.
- Current Events/ Science Article Review

## **6th Grade Possible Topics:**

- Atoms
- Elements
- States of Matter
- Properties of Matter
- Heat
- Light
- Sound
- Plate Tectonics
- Layers of the Earth
- Volcanoes
- Earthquakes
- Soil
- Weathering
- Solar System
- Photosynthesis
- Ecosystems
- Biomes

## Science Article WORKSHEET

1. Assigned topic: \_\_\_\_\_

2. Title of Article: \_\_\_\_\_

3. Publication Source (*Time Magazine, USA Today, etc.*): \_\_\_\_\_

4. Page # or Website URL: \_\_\_\_\_

5. Author: \_\_\_\_\_

6. Date of Publication \_\_\_\_\_

1. **Who?** Who is involved? Who does/did the situation affect?

2. **What?** What is happening? What did happen? What are the consequences? What is your position on the issue?

3. **When?** When did or will this happen? When was this discovered?

4. **Where?** Where did or will this happen?

5. **Why?** Why did this happen or will it happen? Why is it important? Why does this interest you?

6. **How?** How did it or will it happen? How much does it cost? How many people does this affect? How does this situation affect you? How do you feel about this? How does this affect North Carolinians?

## Grading Rubrics:

<b>Appetizers Rubric</b>				
CATEGORY	<b>Meets Expectation</b>	<b>Close to expectation</b>	<b>Below Expectation</b>	<b>Far Below Expectation</b>
<b>Content - Accuracy</b>	<b>7 points</b> All facts in the project are accurate.	<b>5 points</b> Most of the facts in the project are accurate.	<b>3 points</b> Half of the facts in the project are accurate.	<b>1 points</b> Fewer than half of the facts in the project are accurate.
<b>Attractiveness &amp; Organization</b>	<b>3 points</b> The project has exceptionally attractive formatting and well-organized information.	<b>2 points</b> The project has attractive formatting and well-organized information.	<b>1 points</b> The project has well-organized information.	<b>0 point</b> The project's formatting and organization of material are confusing to the reader.

<b>Main Dish Rubric</b>				
CATEGORY	<b>Meets Expectation</b>	<b>Close to expectation</b>	<b>Below Expectation</b>	<b>Far Below Expectation</b>
<b>Content - Accuracy</b>	<b>25 points</b> All facts in the project are accurate.	<b>20 points</b> Most of the facts in the project are accurate.	<b>15 points</b> Half of the facts in the project are accurate.	<b>10 points</b> Fewer than half of the facts in the project are accurate.
<b>Attractiveness &amp; Organization</b>	<b>5 points</b> The project has exceptionally attractive formatting and well-organized information.	<b>4 points</b> The project has attractive formatting and well-organized information.	<b>2 points</b> The project has well-organized information.	<b>1 point</b> The project's formatting and organization of material are confusing to the reader.
<b>Writing - Vocabulary</b>	<b>20 points</b> The project correctly use several new words and define words unfamiliar to the reader.	<b>15 points</b> The project correctly uses a few new words and define words unfamiliar to the reader.	<b>10 points</b> The project tries to use some new vocabulary, but may use 1-2 words incorrectly.	<b>5 points</b> The project does not incorporate new vocabulary or uses some vocabulary incorrectly.

Science Fair Project Rubric	
Display Board with: <ul style="list-style-type: none"> <li>· Question/Title</li> <li>· Hypothesis</li> <li>· Research</li> <li>· Procedure and Materials</li> <li>· Photos/Drawings</li> <li>· Chart or Diagram</li> <li>· Results</li> <li>· Conclusion</li> </ul>	<b>/16 pts</b>
Abstract	<b>/5 pts</b>
Question is relevant and testable through experimentation	<b>/5pt</b>
Procedure is clearly outlined and presents a controlled experiment	<b>/5 pt</b>
Results are communicated clearly through graph/chart and well written explanation	<b>/4 pt</b>
Conclusion includes appropriate evaluation of data and proves or disproves the hypothesis	<b>/5 pts</b>
Research paper includes all key components: <ul style="list-style-type: none"> <li>· Title (1 pt)</li> <li>· research report that defines all key terms/vocabulary (5 pts)</li> <li>· bibliography information cited using MLA citation (4 pts)</li> </ul>	<b>/10 pts</b>
<b>Total Points Received:</b>	<b>/50 pts</b>

Dessert & Side Dishes Rubric				
CATEGORY	Meets Expectation	Close to expectation	Below Expectation	Far Below Expectation
<b>Content - Accuracy</b>	<b>15 points</b> All facts in the project are accurate.	<b>10 points</b> Most of the facts in the project are accurate.	<b>5 points</b> half of the facts in the project are accurate.	<b>2 points</b> Fewer than half of the facts in the project are accurate.
<b>Attractiveness &amp; Organization</b>	<b>5 points</b> The project has exceptionally attractive formatting and well-organized information.	<b>4 points</b> The project has attractive formatting and well-organized information.	<b>2 points</b> The project has well-organized information.	<b>1 point</b> The project's formatting and organization of material are confusing to the reader.

