

Name _____ Period _____ Date _____

Atom Project
Due Wednesday – October 27th

Directions:

Get creative and be sure to include the following information no matter what element you choose.

The atom you pick must have an atomic number less than or equal to 20.

Element Name:

Atomic Symbol:

of Protons:

of Neutrons:

of Electrons:

Do **ONE** of the following **OPTIONS!**

1) **Edible Atom:** Create one atom with 6 or more subatomic particles. How to build...

- Cardboard backing for strength; cover with aluminum foil for cleanliness
- Use edible “glue” (ex: confectioner’s sugar and H₂O)
- **Include a key** (Red Gumdrops = Protons, M&Ms = _____, Twizzlers = _____)
- Pay attention to the electron “rings”
- Cover with plastic wrap to bring in

2) **Atomic Model:** Create a 3-Dimensional model of an atom using materials of your choice. Styrofoam spheres are a common favorite. Make sure you have a defined nucleus and pay attention to the “roads” the electrons are on. Include all necessary information.

3) **Haiku:** Write some poems for an atom! Identify the name and particles of the atom. Write at least 5 haikus for your atom, or write a longer freestyle poem. Check with me to make sure it is okay.

Five syllables first
Seven syllables come next
Then finish your poem

4) Create a **Newspaper Article** about an atom in "Atomic Monthly". This 1-page article should include a headline, an illustration, and some quotes from the atoms. Have something interesting happen. Try incorporating the structure of the atom. Explain why the subatomic particles bond to one another.

5) Write a **Letter** to someone and explain how an atom is put together. Explain the structure of the atom. Indicate the number of subatomic particles that are in the atom. Explain the differences between 2 atoms of your choice. This needs to be at least 1 page, 12 point font, double-spaced.

6) Write a **Dialogue** between all the subatomic particles that make up an atom. Explain the structure of the atom. Create a story with an introduction, a problem, rising action, climax, falling action, and conclusion. Give them a personality!

Scoring Rubric

Category		Score	Out of
Handed in On Time			4
Key	Element Name		2
	Atomic Symbol		2
	# of Protons		2
	# of Neutrons		2
	# of Electrons		2
Use of Color			2
Neatness			2
Clarity			2
Wow Factor			1
Total			20

Extra Credit

You may choose to complete more than one option on the front. I will grade it as a separate project and you will get another grade in addition to your regular grade. Hopefully you will do a good job, and the extra grade will boost your average.

If there are any questions, please email me at dguertin@enfieldschools.org

Remember! Due October 27th!