

Name: _____

Mr. Croom's Physics

Date: _____

Extra Credit

Physics Tree Ornaments (Extra Credit)

Soon you will see a tree in our classroom. You are to create an ornament that represents one of the physicists found at <http://www.croomphysics.com/index.php?p=physicists>. You may not choose the same physicist as another member of our class.

Part A

1. Select a physicist
2. Do some research on the physicist and his/her research.
3. Create a 3D ornament for the Physics Tree that reflects the person and their research.
4. On a 3 X 5 card write 1) your names & period, 2) The researchers name and research performed 3) Applications of the research.
5. You will present your ornament to the class explain its meanings and information about the researcher found on the index cards.

Part B (For Additional Points) (Groups of no more than 4)

You must write and perform a Physics Tree Carol. Use the tune to a Christmas song and write at least 2 verses of the song lyrics (8 line minimum) relating to physics. You may need to do a little research about a physics topic. Options are to write about a theory or a physicist. Be creative. Take a look through your book, hyperphysics, and through the link above.

The lyrics need to be submitted to <https://docs.google.com/spreadsheet/viewform?formkey=dDNRTT12VmZwQjRMeUxsZ2I2dnM2RVE6MQ>

Be ready to present your ornament and sing your song the last 5 days of school before Christmas Break.

The sign-up list for your physicist will be available at 7:20 am tomorrow. Sign up is first come, first serve. NO DUPLICATES!!!

*O Physics Tree
O Physics Tree, O Physics Tree
How brightly glow your ornaments
O Physics Tree, O Physics Tree
Each represents a Physicist. . .*

Physics Tree Grading Rubric

ORNAMENT (Only 1)

- | | | |
|-------|--------|--|
| _____ | 2 pts. | Ornament reflects the physicist and his/her research |
| _____ | 2 pts. | Presentation / note card containing all items. |

CAROL (Only 1)

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|-------|--------|--|
| _____ | 2 pts. | Physics Tree Carol (8 line minimum). (Handed in) |
| _____ | 2 pts. | Physics Tree Carol Performed. |