

### Physics Honors Topic Discussion

We will be conducting a Socratic seminar style discussion with two groups. Within each group there will be one sub-group speaking and one sub-group observing. Each speaking group will be discussing topics from Honors Topics 1-3, so if you are in the discussion group this time (list below), please be prepared to discuss any of them and bring printed copies of your responses.

These are the roles for this first discussion. You will switch roles for our next discussion

<b>Speaker</b>	<b>Observer</b>
Nia	Hailey
Fernando	Rachna
Oliver	Dylan
Natalie	Madison
Sydney	Matthew E
Jeremy	Micah
Leah	Sheyla
Devon	Kaycee
Libby	Matthew A
Matthew M	Elena
Andrew	Noah
Cheyenne	Michael
Matias	Angeli
Jazmin	





After Discussion: What would YOU like to have said in the discussion?

<b>Observing Group 1</b>	<b>Observing Group 2</b>
Hailey	Kaycee
Rachna	Matthew A
Dylan	Elena
Madison	Noah
Matthew E	Michael
Micah	Angeli
Sheyla	

# Physics Honors Discussion #1

## *Speaker*

As a speaker in this discussion you are going to be engaging in a conversation with your fellow honors students around the topics you have responded to in your last three topics. Please make sure you are speaking in the discussion by responding to other students and by citing information from the sources you reviewed as a part of your topic responses. An observer and I will be tracking your participation and you will be graded on it.

As a speaker you can play several roles in the conversation, you can be...

- **An Explorer:** Let's try a new path or perspective...
- **A Gadfly:** Everyone seems to be too easily content with saying...
- **Sherlock Holmes:** I think we have overlooked an important clue (comment/bit of text)..
- **Librarian:** Here's a passage in the text that supports your point...
- **Matchmaker:** What you are saying is a lot like what Sue said earlier...
- **Judge Judy:** Let's see what the argument is between you two and try to settle it...
- **Will Rogers:** Let's find a way to make her/his seemingly odd/unpleasant/incorrect comment more plausible or helpful...

As a Speaker please also stick to some norms:

- Be kind and respectful to your classmates
- Assume good intentions
- Share the air (or step up/step back)

We can add to this list before our discussion

Discussion Questions

1. After reading and reviewing all of our sources, what now are your thoughts on the value of the fundamental physics research?
2. How should basic research be funded? Should there be success criteria for that funding?
3. How does the logic and imagination inherent to science play a role in making decisions to support basic research?
4. How does basic research can economically impact a country and what can governments do to generate the biggest impact?
5. What could scientists do to bring awareness to the nature of basic science and the need for it?

<b>Speaking Group 1</b>	<b>Speaking Group 2</b>
Nia	Devon
Fernando	Libby
Oliver	Matthew M
Natalie	Andrew
Sydney	Cheyenne
Jeremy	Matias
Leah	Jazmin