



Hour 1 New Partners

- 1. Christian, Savanna
- 2. Darren, Tiara
- 3. Helen, Quentin
- 4. Sanaa, Andrew
- 5. Drake, Melissa
- 6. Delaney, Donnie

- 7. Antonie, Jillian
- 8. Nathalia, Ryan
- 9. Bailey, Quincy
- 10. Edwin, Katherine
- 11. Faaris, Mia
- 12. Zion





Hour 2 New Partners

- 1. Kasander, Muhammed
- 2. Wally, Akshaya
- 3. Denzel, Garrett
- 4. Cameron, Lauren
- 5. Sydni, Cole
- 6. Brooke, Inora

- 7. Alisha, Sean 8. Sofia, Xavier 9. Paige, Connor 10. Lillian, Tyler 11. Trinity
- 12.





Hour 3 New Partners

1. Anish, Pal

2. Christian, Cady

3. Caleigh, Andrew

4. Dorian, Natalia

5. Brianna, Pranav

6. Madeline, Noah

7. Tony, Mia

8. Jack, Laura

9. Katelyn, Brooklyn

10. Kayla

11.

12.



Physics Wednesday September 15

Agenda

Warm Up

Reminders

- New Partners
- Intro to Unit 1

 What are some energy sources humans use for electricity?

• What does the state of Michigan primarily use?

Data Summative Past Due





Class Consensus

- Solar
- Hydraulics
- Wind
- Coal
- Natural Gas
- Fossil Fuels
- Nuclear
- Mechanical energy
- Gas





How Does This...





Turn Into This?



* Create a 2-3 slides to share with other groups.

- Summarize what your data tables and/or graphs tell you- put them in the slides
- Summarize 5 main points of your sources (total)





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Group 1

Change in Energy Use Where Do We Get Our Energy From?







Groups 2

Low Carbon Sources Low Carbon Countries







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<u>Fossil Fuel Use</u> <u>Coal Use</u> <u>Oil Use</u>







Groups 4, 5

Fossil Fuel Use Natural Gas Use Nuclear Use







Groups 6, 7 **Renewable Use** Hydropower Use Solar Use Wind Use







Group 8 Michigan Energy Sources

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Group 9

Renewable Energy Around the World

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Group 10, 11, 12

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Overall State Goals





Physics Thursday September 16



Warm Up

- Present to Small Groups
- Unit 1 Materials
- Self Assess
- Electricity and Charges Choice
- Catch Up Day

- Open up your slides from yesterday
- 10 minutes to finish up with your partner!
- Take out your notebook and separate a page in half

Reminders

I will be gone tomorrow!

Work on Electricity Choice, CERs and Data Summative

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Share Out

• Group with the lower number goes first

- 3 minutes to share your topic and slides
- The other group writes down a few things they learned
- Switch!





To Do Today

- Is It Science? CERs
- Data Summative
- Charges and Electricity Choice Boards

This is what you're working on Friday in class!





Physics Monday, September 20



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Agenda

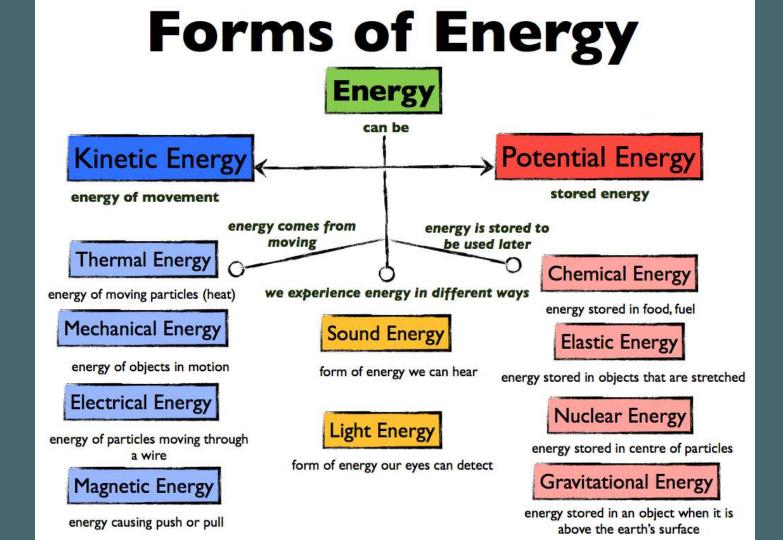
Warm Up

Reminders

- Unit 1 Materials (if needed)
- Charges and Electricity PhET Review
- Types of Energy
- Charges Stations

- Open up "Charges and Electricity PhET" on your device
- What is something you noticed from each of your simulations

I will be grading tomorrow :)





Charges Stations

- Split notebook into 6 sections (each a half page)
- Get a balloon (1 per group)
 - Balloons are not toys and should stay in your hand the whole time
 - You will have one warning!
- Go to station
- 4 minutes at each station
- Model before and after and write down what happens





Physics Monday, September 21





Agenda

Warm Up

Reminders

- Charges Class
 Conclusions
- Evaluative Modeling Standards
- Circuits Day 1

- Take out your charges stations from yesterday
- Take out your calendar/standards sheet
- No devices right now

 CER/Circuits Assessment Thursday in Class



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Charges Stations Class Conclusions



Station 1

- Charged a balloon
- Hole punches
 - Lifted up

Station 4

- Charged balloon
 - Near stream of water
- attracted/bent towards

Station 2

- Charged 2 balloons
- Moved them together
- Both charged- repelled
- One charged- attracted

Station 3

- Charged balloon
 - Salt- attracted
- Pepper and saltpepper attracted

Station 6

- Charged balloon
- Aluminum stuck to balloon
- Yarn and pipe cleaner 🔆

Station 5

- Charged balloon
- Moving ping pong ball



Physics Wednesday, September 22



Warm Up

Reminders

- Circuit Exploration Day 1 and Day 2
- Open up the Circuit Exploration Day 1 and 2 on your device
- Take out your notebook and models from yesterday.

CER/Circuits
 Assessment
 Friday in Class

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Physics Thursday, September 23



Warm Up

Reminders

- 15 Minutes for wrap up
- Circuit Exploration Day 1 and Day 2 Conclusions
- Practice for CER/Modeling Assessment

- Take out your device and open up Circuit Exploration Slides
- Take out your observations and conclusions from Day 1 and Day 2

CER/Modeling
 Assessment
 Friday in Class

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Physics Friday, September 24



 CER & Modeling Assessment

Warm Up

- Take out your notebook or grab a blank piece of paper or two for your CER.
- Open up Circuit Exploration on your device.

Reminders

 Turbine Project Starts Tuesday. Choose a group of 1, 2 or 3

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Physics Monday, September 27



- Circuit/E&M
 Exploration Day 3
- Work Time on Modeling/CER Assessment

Warm Up

- Reflect on how you are doing in this class so far.
- What have you been doing well?
- What do you need to improve on?
- Why are you a good partner/group member?

Reminders

- Modeling/CER Assessment due Today!
- Turbine Project Starts tomorrow! Choose a group of 1, 2 or 3

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A Few Reminders...

- If you miss class, please reach out to me about what you are missing. It is your responsibility to make up work outside of class!
- Can I resubmit work? Yes
- If something is missing or past due, can I turn it in? Yes





Physics Tuesday, September 28



Warm Up

Reminders

- Intro to Turbine Project
- Choose Groups
- Background Day

Take out your device and load the Turbine Project on Google Classroom. Starting tomorrow, we meet in the lab every day.

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 Bring in materials for tomorrow

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To Do Tuesday

- Tell Mrs. Wentzloff your group of 1, 2 and 3 and get lab number
- Go next door to your lab station to work
- Work on Background Questions
- Format your Google Doc Report
- Set a reminder to get materials





Wednesday Goals

- Label Drawer with Tape (at your station)
- Work on your first iteration
- At least 1 Teacher Meeting this week
- Daily Logs Every Day!



Physics Thursday, October 7



Warm Up

Reminders

- Return CERs
- Standards/Grading Reminders
- Report and Final Design
- Build Day

Open up the Turbine Report Requirements on GC

- Last Build Day is Friday!
- All Unit 0/1 LATE assessments due by next Friday

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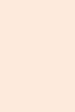
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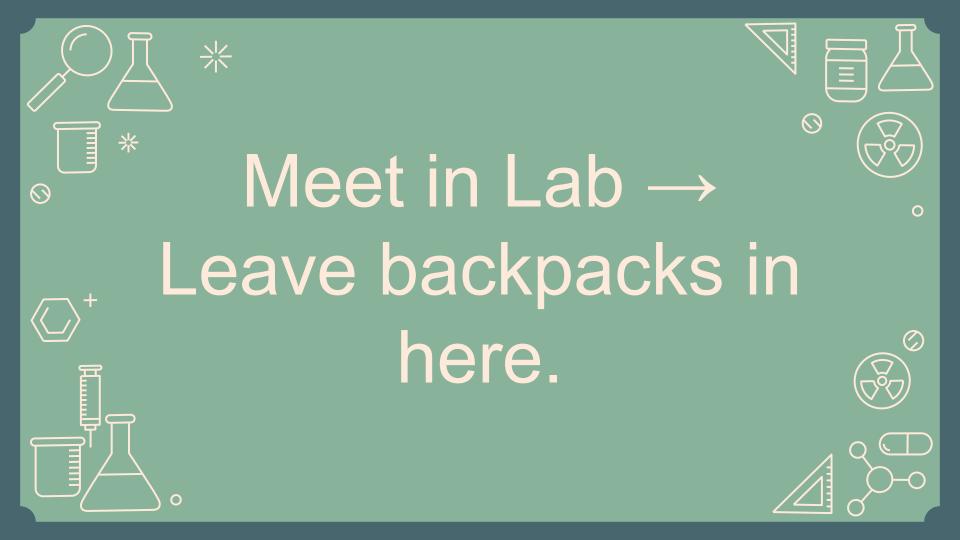
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Ê	09/24/2021	09/24/2021	1.1 Energy Flow	4	4			\checkmark	Turbine Project	
ľ	09/24/2021	09/24/2021	S.6.2 Analyze patterns and trends	4	4			\checkmark	Turbine Project	
Ē	09/24/2021	09/24/2021	S.6.3 Sources of Error	4	4			\checkmark	Turbine Project	
Ê	09/24/2021	09/24/2021	1.2 Charges and Circuits Outcomes	4	2.8	2- Functional understanding towards proficiency			CER/Modeling Assessment Charges and Circuits	
Ē	09/24/2021	09/24/2021	S.3.1: Modeling Details	4	2.8	2- Functional understanding towards proficiency			CER/Modeling Assessment Charges and Circuits	
Ľ	09/24/2021	09/24/2021	S.3.3 Modeling Student Thinking	4	3.6	3- Proficiency			CER/Modeling Assessment Charges and Circuits	
	09/02/2021	09/02/2021	S.6.2 Appropriate Display of Data	4	3.2	2.5 - Functional understanding almost proficiency			Graphing and Measurements Summative due 9/13	
	08/23/2021	08/23/2021	S.4.1 Argumentation: Claim	4	2.4	1- Understanding with Support			Reassessed through Modeling/CER Assessment	
Ē	08/23/2021	08/23/2021	S.4.2 Argumentation: Evidence	4	2.4	1- Understanding with Support			Reassessed through Modeling/CER Assessment	
Ê	08/23/2021	08/23/2021	S.4.3 Argumentation: Reasoning	4	2.4	1- Understanding with Support			Reassessed through Modeling/CER Assessment	
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Xello Completed

• Make sure...

- All lessons are done and passed (you may need to redo them)
- EDP Packet Uploaded to Xello and the assignment on Google Classroom
- Show me
- Email <u>deanna.johnson@avondaleschools.org</u> that you have completed the EDP requirements
- The following students need to complete...
 - Sydni (lesson, GC Upload, Xello Upload), Muhammed (11th grade grade careers quiz, GC Upload, Xello Upload), Connor (GC Upload)



Monday, October 11

- Report is due Wednesday
 - Only one partner needs to turn it in on Google Classroom
 - The other partner(s) can click completed
- Please sit with your partner/group in the classroom
- If you need to build next door, please tell your teacher.
- Today we will review...
 - Scale Drawing
 - Sources of Error
- Thursday we start Unit 2! All building/testing must be completed by Wednesday (in or outside of class)
- Last teacher meeting Tuesday or Wednesday



Tuesday, October 12

• Report is due Wednesday

- Only one partner needs to turn it in on Google Classroom
- The other partner(s) can click completed
- If you need to build next door, please tell your teacher.
- Thursday we start Unit 2! All building/testing must be completed by Wednesday (in or outside of class)
- Last teacher meeting today or Wednesday. Please come up when you're ready!





Wednesday, October 13

- Report is due Wednesday (TODAY)!
 - Only one partner needs to turn it in on Google Classroom
 - The other partner(s) click completed
- If you need to build next door, please tell your teacher.
- Tomorrow we start Unit 2! All building/testing must be completed by Wednesday (in or outside of class).
- Last teacher meeting TODAY!

