

Week of April 19, 2021

Dear Seventh Grade Families,

Hybrid Model

I enjoyed seeing the students in-person, and I heard many comments about how much easier it was to learn in-class than through Zoom. On the other hand, the hybrid model imposes new constraints and delays.

I had hoped to avoid further delays by teaching all groups concurrently, but it became clear that despite multiple microphones and cameras, there are too many audio and network issues to make it a realistic option. Therefore I have adapted the schedule for each group.

This Week

The week I hope to focus on finishing our Origami Mobiles, learn about the Six Simple Machines, do a lab on Pulleys, and finish the week with a Barge Challenge, in which we experiment with the Laws of Hydrodynamics. I also hope that on Earth Day 2021, we can squeeze in some thought for the planet as a whole. See the Class Website for more details:

- <http://class.ronliskey.com/class/7/physics/>

Assignment Due Dates

During distance learning, it was not possible to maintain specific assignment due dates. This also made it difficult to evaluate student work in a timely manner. Now that we are meeting in-class, students should complete all assignments by the due date. To keep things somewhat sane, most work will be assigned at the start of the week, and will be due toward the end of the week.

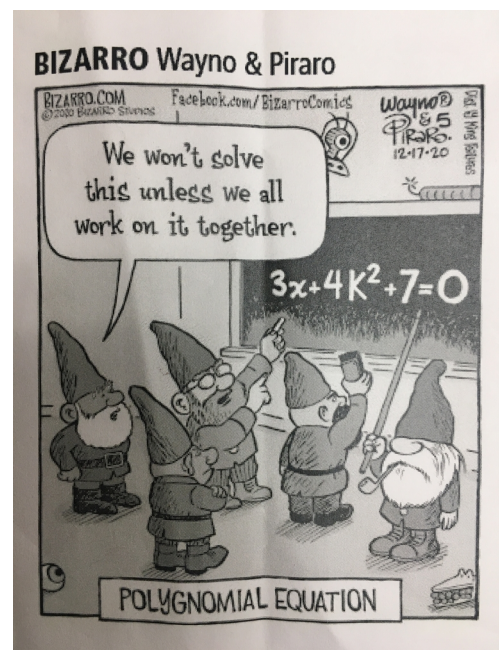
- **Group A:** Assignments are due by the end of class on Thursday.
- **Groups B:** Assignments are due by the start of class on Friday.
- **Group C:** Assignments are due at Materials Exchange on Friday.

Important Events

- **Monday, April 19:** No School
- **Thursday, April 22:** Earth Day
- **Friday, April 30:** Arbor Day
- **Sunday, May 9:** Mother's Day
- **Monday, May 31:** Memorial Day (No School)
- **Tuesday, June 8:** Last Day of School

Thank You,

Ron Liskey



Week of April 19, 2021

Topics

1. Law of Levers and Balance
2. Hydrodynamics and Pressure

Resources

1. Packet
2. Study Guide: <http://class.ronliskey.com/study/physics/>

Schedule

	Group A	Group B	Group C
Mon 4/19	Remote <i>No school!</i>	Remote <i>No school!</i>	Remote <i>No school!</i>
Tues 4/20	Classroom Origami Mobile MLB 4: Six-Simple Machines	Remote Origami Mobile MLB 4: Six-Simple Machines	Remote Origami Mobile MLB 4: Six-Simple Machines
Wed 4/21	Remote Work on assignments	Classroom MLB 5 Pulleys	Remote MLB 4: Pulleys
Thurs 4/22	Classroom MLB 5: Pulleys Barge Challenge All assignments due	Remote Work on assignments	Remote Barge Challenge Work on assignments
Fri 4/23	Remote Work on assignments	Classroom Barge Challenge All assignments due	Remote Work on assignments All assignments due

Assignments

			Due		
Code	Title	Directions	A	B	C
	Origami Mobile	See Study Guide	4/22	4/23	4/23
7-PHY-5	Vocabulary	See Packet	"	"	"
7-PHY-6	Questions	See Packet	"	"	"
MLB 4	Six-Simple Machines	See Study Guide	"	"	"
MLB 5	Pulleys				
	Barge Challenge	See Study Guide	"	"	N/A

7-PHY-5: Vocabulary

Name _____

Due Date _____

Term	Definition and Example
1. Lever	
2. Fulcrum	
3. Class One Lever	
4. Class Two Lever	
5. Class Three Lever	

7-PHY-6: Questions

Name _____

Due Date _____

1. How did Archimedes solve the riddle of the King's crown?

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2. How did Archimedes defend the city of Syracuse from the Romans?

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3. How did Archimedes die?

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4. What are some of Archimedes most important achievements?

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5. Joe weighs 100 Lbs. Imagine Joe stands on a lever exactly 5 feet from the fulcrum. June stands on the other end of the lever and slowly backs up until the lever is perfectly balanced. At this point, June is exactly 8 feet from the fulcrum. How much does June weigh?

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