

## Mr. Ilnicki's Courses

Dear students and parents, what follows are plans for work and studying that you can do for the next two weeks while our normal school schedule is disrupted. Obviously this is not ideal but I have attempted to give you meaningful assignments that will help us all to keep moving forward in our learning. Your challenge will be to do all of this while on your own. The good news is that I will be available if you have questions, all you have to do is email me at [dilnicki@rsd.k12.pa.us](mailto:dilnicki@rsd.k12.pa.us) and I will answer you as quickly as possible.

The following assignments align with my curriculum for the next two weeks. I would like to maintain a consistent pace as if we were in our normal classroom setting. I am keenly aware that we are not; therefore, I will be as flexible and understanding as I can be with the uncertainty of the current situation. Listed below is an agenda for homebound instruction for Physical Science (periods 3 & 9) and Principle of Biology (periods 4 and 7). The material will be collected the first day school resumes.

Sincerely,

Mr. Ilnicki

## *Physical Science:*

Monday (day 1) – 3/16/20 – Read, and take thorough notes on **Subunit 2 (pages 35-41)**.

Place the notes in your COVID-19 notebook. Also, work through examples 2-F and 2-G. Once you work through the problems, try to solve them without your book, only using your notes. Place the solutions to both problems in your COVID-19 notebook. Circle the final answer.

Tuesday (day 2) – 3/17/20 – Complete the **reading checklist on fluid work**. You received this before the shutdown.

ANSWER KEY: 14-15) $12,480,000\text{ft}\cdot\text{lb}$ 16-17) $7\text{ N}\cdot\text{m}$
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Wednesday (day 3) – 3/18/20 – Complete **worksheet BF – Test Questions: work (1-24)**.

Write out the letter and answer, showing all work when applicable.

Thursday (day 4) – 3/19/20 – Complete review sheet **Fluid Worksheet**. Complete both sides – side one deals with pressure (1-9) and side two deals with volume (1-10).

Friday (day 5) – 3/20/20 – Complete worksheet **Unit 2 – SUBUNIT 2 – STUDENT EXERCISES**. Also, complete the back side, **Internal Combustion Engine**.

Monday/Tuesday (days 6/7) – 3/23-24/20 – Over the course of the next two days, complete worksheet **MATH SKILLS LAB – PAGES 47-48**.

ANSWER KEY:
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ACTIVITY TWO – 1) $833.3\text{ N}/\text{m}^2$ 2) $18,426.6\text{ ft}\cdot\text{lb}$ 3) $3,744,000\text{ ft}\cdot\text{lb}$ 4) a. $9.0\text{ N}\cdot\text{m}$ b. $45\text{ N}$ 5) $103,680\text{ ft}\cdot\text{lb}$
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PRACTICE PROBLEMS – A. $3,120,000\text{ ft}\cdot\text{lb}$ B. $7.5\text{ N}\cdot\text{m}$
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- At this point, I may email you a “take home” exam on “Fluid Work”. I will evaluate the current situation and decide next week.

Wednesday (day 8) – 3/25/20 – Read, and take thorough notes on **Subunit 3 (pages 66-72)**.

Place the notes in your COVID-19 notebook. Also, work through examples 2-H, 2-I, 2-J, and 2-K. Once you work through the problems, try to solve them without your book, only using your notes. Place the solutions to the problems in your COVID-19 notebook. Circle the final answer.

Thursday/Friday (days 9-10) – 3/26-27/20 – Complete the worksheet **READING CHECKLIST,**  
**UNIT – work, SUBUNIT – electrical.**

ANSWER KEY: 9) 96,000 V-C 13) 14,400 V-C 14) a. 48 q b.  $3.0 \times 10^{20}$  electrons c. 576 V-C  
16) Mech. Work = 2000 N-m Ele. Work = 12,000 V-C Eff. 16.7 %

# *Principles of Biology:*

Monday (day 1) – 3/16/20 – Read pages 336-341 and complete worksheet **Protein Synthesis 12.3 reading checklist**.

Tuesday (day 2) – 3/17/20 - Read, and take thorough notes on **Mutations** (pages 345-349). Place the notes in your COVID-19 notebook.

Wednesday (day 3) – 3/18/20 – Complete the worksheet **Vocabulary Chapter 12**.

Thursday/Friday (days 4/5) – 3/19-20/20 – Complete the **Study Guide packet**. Complete both pages – Section 1, Section 2, Section 3, and Concept Mapping.

Monday (day 6) 3/23/20 – complete **Chapter 12 Book Review (pages 352-354)**.

Tuesday/Wednesday (days 7/8) – 3/24-25/20 – Complete the exam **Chapter 12 Exam – Biology 1 – DNA and RNA**. You must take this exam by yourself – no help from parents or classmates. But I encourage you to use your available resources: book, PowerPoint, review sheets and class notes. This is a great opportunity for you to **earn** a great grade.

Thursday/Friday (days 9-10) – 3/26-27/20 – Read and outline **chapter 15 sections 1 and 2 (pages 418-430)**. Use the paper that was given to you in the packet: make sure you use both sides. If you need extra space, please attach a piece of white-lined paper to the sheet that I gave you.

- Also, all students must log-on to USATest Prep and complete the assessment – COMPLICATED INHERITANCE. This must be done by Wednesday (3/18/20). If you already completed this assessment, and you want to try it again, bonus points will be given for the improved score for the second/third/fourth??? attempt. One student improved their score by 20% or so.