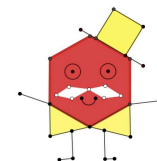


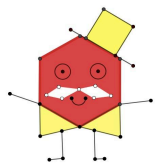
# Mr. Hand's Science 2019-2020

[Mr. Hand's Site](#) [PowerSchool](#)



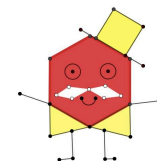
Date Assigned	Optional Extra Credit	Due by 7:30 am
Mar 30	<p>Hi!</p> <p>Welcome Back!</p> <p>Please go to Google Classroom.</p> <p>Assignments will be listed there.</p>	
3/16	<ul style="list-style-type: none"> <li>You will earn extra credit for all work.</li> <li>There are some extra credit review games listed at <a href="#">Quia</a>. You must invest at least 10 min/activity to earn credit.</li> <li>In addition, other activities will be listed on <a href="#">Google Classroom</a>.</li> <li><a href="#">Brainpop</a> is offering free access. See their website.</li> <li>I suggest you invest at least 20 minutes a day.</li> </ul>	
3/11	<p>Wash your hands with soap for at least 20 minutes!</p> <p>Don't touch your face!</p> <p>Science 1 and 2 only:</p> <p>Finish the DNA Analysis Worksheet. Both sides!</p> <p>Science 5 will do this in class Friday.</p>	3/13
3/3	<p><b>Solo Genetics Test #2 this Friday.</b> The test will be similar to last week's test as well as the 2-gene Punnett problems you have solved this week.</p> <p><u>2020 - Genetics HW #5 (2-genes) (15Q)</u></p> <p>What is Mendel's Law of Dominance?</p> <p>What is his Law of Segregation?</p> <p>What is his Law of Independent Assortment?</p> <p>What is a gamete?</p> <p>What is a genotype?</p> <p>What is a phenotype?</p> <p>What is a dihybrid?</p> <p>How many gametes does a dihybrid create?</p>	Friday

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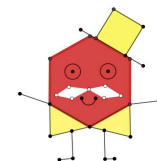
	Review your notes and the website.	
2/25	<b>Genetics Test = Friday!</b>  This will help you: <a href="#">2020 Genetics HW #4 Punnetts, Pedigrees, and Mendelian Genetics</a>	Feb 28
2/21	Your Powtoon Presentation is Monday! Your homework is to add music, transitions and make it awesome! Read the rubric for extra clarification.  Once you finish your Powtoon: 1) Go to the main page and select "Export" 2) Create your personal Powtoon player page 3) Select "Education" for your category 4) List your creation as public 5) Export. If Powtoon asks you to "upgrade", do not do it! Just relax and we will handle your situation on Monday. 6) Copy the link 7) Paste the link at Google Classroom. 8) Turn it in!	2/24
2/19	This HW is due Friday: <b><a href="#">2020 Genetics Practice HW #3 (20Q)</a></b> You may fix errors before you submit them.  Finish Your Genetic Condition Project. You will be presenting Monday! Feb, 24	2/21   2/24
2/5	<b><a href="#">2020 - Genetics HW Questions #2 (15Q)</a></b>  You may fix errors before you submit them.	Tuesday, Feb 11
2/3	<b><a href="#">2020 Genetics and Probability (16 Qs)</a></b>	Wednesday, 2/5

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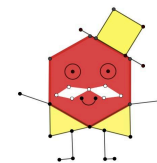
1/28	Small Written Test on Wednesday.	Bring your note sheet back...
1/27	<p>Midyear Exam tomorrow and Wednesday. Online test tomorrow. Small Written Test on Wednesday. Bring your note sheet! Easy A!</p> <div> <p><b>Newton's 2<sup>nd</sup> Law</b></p> <math display="block">F_{\text{net}} = MA</math> </div> <div> <p><b>Density</b> = <math>\frac{\text{Mass}}{\text{Volume}}</math></p> </div> <div> <p>Average Speed = <math>\frac{\Delta \text{Distance}}{\Delta \text{Time}}</math></p> </div>	1/28
1/24	<p>Midyear Assignment #4. Earn an A+. You may fix mistakes before you submit! <a href="#">2020 Midyear Science -Graphs and Data Analysis Review (20Q)</a></p> <p>Continue to work on your required note sheet. You may use it on Tuesday's test.</p>	Monday, 1/27
1/22	<p>This is your third online review guide for chemistry! It is due this Friday. Earn an A+.</p> <p><a href="#">2020 Midyear Chem Review 3 - (15Q)</a></p>	Friday, 1/24
1/21	<p>The following Chemistry Review Guide is due tomorrow, Wednesday, Jan 22.</p> <p><a href="#">2020 Midyear Chemistry Review 2 - (15Q)</a></p>	1/22
1/15	<p><a href="#">2020 Midyear Review - Chemistry (20Q)</a> Earn an A+. Add questions to your note sheet.</p> <p>Prepare for your Midyear Exam! Jan 28 &amp; 31.</p>	This Quiz is due Friday.

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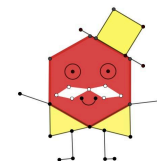
	<p>You must begin to work on a note sheet. You may write anything you like on both sides of a standard piece of paper. Your notes must be hand-written. The Periodic Table and Equations will be provided for you.</p>	The note sheet is due on Jan 28.
Jan 8, 2020	<p>Prepare for a Forces and Motion Final Exam. The exam will be given Tuesday, January 14.</p> <p>Your review guide is below. Earn an A+. Fix incorrect questions as necessary. You will keep your best score. This must be completed by Monday, January 13.</p> <p><a href="#">2020 Forces and Motion Practice for the Test - HW</a></p>	Monday, January 13
Jan 2, 2020!	<p>Earn an A+ on this take-home quiz. Repeat as necessary. You will keep your highest score.</p> <p><a href="#">2020 Speed and Position-Time Graphs Take-Home Quiz (18Q)</a></p>	Monday, January 6
Dec 12	<p>Read about the <a href="#">immune system parts</a>. ← Link. Then answer these questions in this take-home quiz. You may retake the quiz as needed. You will keep your best score.</p> <p><a href="#">2019 - Immune System Take-Home Questions</a></p>	Wednesday, Dec 18
Dec 4	<p><b>Gravity! Play this game to review the concepts. Invest at least 10 minutes. Expect a gravity quiz on Tuesday, Dec 10.</b></p> <p><a href="#">2.0 - Gravity Rags to Riches Game - 2019i pics</a></p>	Tuesday, December 10
Nov 19	<p><b>F = MA Quiz This Friday. Read the F=MA website. Take this practice Quiz. You will keep your best score. <a href="#">F = MA HW Problems (12Qs)</a></b></p>	Nov 22
Nov 13	<p><b>Play this new game about Newton's Second Law: <math>F_{net} = MA</math>. Invest 10 minutes at a minimum.</b></p> <p><a href="#">2 Newton's Second Law! <math>F_{net} = MA</math> - 2019 pics</a></p>	Tuesday, Nov 19
Nov 7	<p><b>STUDY FOR AN INERTIA QUIZ! Play this game to understand various inertia experiments:</b></p> <p><a href="#">1i Inertia Labs - Rags to Riches Game -2019-i-pics</a></p>	Wednesday, Nov 13

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	<p>You should invest at least 10 minutes. You should get to the top at least 2 times. This is a form of studying.</p>	
Oct 25	<p><b>Study for a Chemistry Final Exam. It will be held on Tuesday, Oct 29.</b></p> <p>To get ready:</p> <ol style="list-style-type: none"> <li>1) Earn an A+ on these practice Density Questions. <a href="#">Density HW Questions - 2019 (20 Q)</a></li> <li>2) Read the <a href="#">study guide</a>.</li> <li>3) Read the notes on the website.</li> </ol>	Tuesday, Oct 29
Oct 18	<p>You have two assignments due next Friday:</p> <ol style="list-style-type: none"> <li>1) Complete this cloze activity: <a href="#">Matter Cloze - 2019</a></li> <li>2) Earn an A+ on this. Repeat as needed.</li> </ol> <p><a href="#">Matter Take-Home Quiz: Chemical vs. Physical</a></p>	Friday, Oct 25
Oct 4	<p>Another HW that will be due Tuesday, October 8: <a href="#">1) Molecules Rags to Riches with Pictures-2019</a></p> <p>Expect a solo test on Molecules on Tuesday.</p> <p>A study guide can be found at Google classroom.</p>	Tues, Oct 8
Sep 30	<p><b><u>Draw your own Lewis Structure Molecule!</u></b></p> <p>Use elements, <b>C</b>, <b>H</b>, <b>O</b>, and <b>N</b> to create your own Lewis Structure molecule that is <b>larger than 10 atoms</b>. Either make it up or find something that actually exists. You might investigate DNA bases, for example. Perhaps look on the back of your cereal box. Follow the rules of bonding and make sure that all elements satisfy the octet rule.</p> <p>You may complete this HW on paper or digitally.</p> <p><b><u>Your drawing(s) must...</u></b></p> <ol style="list-style-type: none"> <li>1) Show the symbols of elements</li> <li>2) Be neat</li> <li>3) Have color</li> <li>4) Correctly show electron placement and bonds</li> </ol>	Friday, Oct 4

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	<p>5) Identify electrons (label one or use a key)</p> <p><b>Answer these questions in complete sentences:</b></p> <p>A. What is covalent bonding?</p> <p>B. Why do atoms bond?</p> <p>If you need help, read the notes on the website.</p> <p>Another HW that will be due Tuesday, October 8:  <a href="#">1) Molecules Rags to Riches with Pictures-2019</a></p> <p>Expect a solo test on Molecules on Tuesday.</p>	Tues, Oct 8
Sep 16	<p>Solo Quiz on Atomic Structure on Monday.</p> <p>Read these notes to prepare:  <a href="https://sites.google.com/mansfieldct.org/mr-hand-site/home/chemistry/atomic-structure-notes">https://sites.google.com/mansfieldct.org/mr-hand-site/home/chemistry/atomic-structure-notes</a></p> <p>Play this game to deepen your understanding of Atomic structure. You must play for 10 minutes or more. You must win the game at least twice.</p> <p><a href="#">1) Atomic Structure Game-i 2019 with pics</a></p>	Monday, Sep 23
Sep 11	<p>Prepare for a quiz on variables. Look over your Variables HW in Quia. You can do this within your account. Read the variables notes on Mr. Hand's website. Search for them. They are hiding from you.</p>	Friday, Sep 13
Sep 6	<p>Answer these questions at QUIA. You may try more than once. You will keep your best score.</p> <p><a href="#">2019 Scientific Method - Variables 17 HW Qs</a></p>	Tuesday, Sept 10
Aug 30	<p>Get a science notebook. You have a choice. You may use a 1-subject notebook or you may use a binder.</p>	Tuesday, Sept 3