

OAKLAND CUSD #5

**CONSTRUCTION  
TRADES &  
DRAFTING  
APRIL 20-24, 2020**

JONATHON WELCH

# Week of April 20-27, 2020

## Industrial Arts

### Jonathan Welch

#### GENERAL INFORMATION

Hello students. Welcome to Week 3 of our Remote Learning Program. I sincerely hope that you, your family members and friends are all keeping well and trust that over the forthcoming weeks we can all continue to learn from this experience. The following comments are designed to help support you in completing the tasks that you select. Please remember to contact me if you need support, guidance or feel that there is anything else I might be able to help you with. I remain in constant contact with our school and despite currently being confined to working from home, am accessible at all times.

\*\*\*\*\*NEW!\*\*\*\*\*

#### Helping and supporting each other

As we have been emailing and speaking with each other this past week, it has become increasingly evident how important it is that we all stay in touch and as connected as possible. Please feel free to discuss any of the 'options' with each other and please also remind your peers of the need to complete a task each week. In general I feel the response from Industrial Arts students has been good although there are always opportunities for improvement. Please also remember that the grades from these weekly options will make a contribution to your subject credits. This means completion is fundamental.

Please read the options carefully. Several students have completed tasks assigned to different classes. Remember also that as a student you should select your class, e.g. Construction I, and then follow the horizontal row, (across not down!), to read the three options available for that week. The first two choices are generally reviewing material that we have already covered, whereas the third choice should be seen as an enrichment task for those of you that may wish to tackle something new or be challenged.

**Irrespective, what is important is that you submit to me, one option by the due date.**

#### Office hours

Reminding you that my remote 'office hours' are:

- Monday 08:00 - 10:00
- Wednesday 11:00 - 1:00 PM
- Thursday 3:00 PM - 5:00 PM

## **Industrial Arts: Jonathan Welch**

However, please do not feel constrained by these stated times. If you have concerns or need support with any of the weekly tasks or indeed other matters, please do not hesitate to reach out to me.

### **Getting hold of me**

The easiest way to contact me is through my school email address:

[jonathon.welch@oakland5.org](mailto:jonathon.welch@oakland5.org)

### **What is the format for presenting work?**

All work submitted must be original to you and where required, should always be presented using complete sentences and correct grammatical structure. Where research tasks are undertaken please cite references as appropriate.

### **Turning work in**

**This is extremely important!** If work is not turned in, it cannot be graded. Please remember that, (as with 'regular school'), grades are needed to enable credit to be awarded. Once again, please be assured that if, (for whatever reason), you are having difficulties completing work, I will do what I can to support you.

You may either email me your work, share it with me on Google, or leave a hard copy at school.

**All work needs to be submitted by the due date** and once again, this is important to stress. I am proposing to visit school once or twice a week to collect assignments and, as in the past, will be grading this and providing feedback as soon as is practicable.

### **Returning tasks**

At this stage I am proposing to return work as follows:

- If work is submitted electronically, I will provide comments to you electronically.
- If work is submitted as hard copy, I will provide written commentary directly to you and attach this to the work submitted. This may then be collected from school.

### **Books and supplies**

In the absence of a formal textbook for any of my classes, I will do my utmost to ensure that all of the tasks suggested can be completed with the minimum of resources and supplies. Naturally, in a technologically driven world, access to the internet is useful. However this must not be seen as fundamental to completing any task. In all instances, please use whatever resources may be at your disposal to work towards completing a task. Once again it is important to complete something rather than to submit nothing. Beyond your imagination, flair and creativity, very little else will be required apart from maybe a few sheets of paper.

**INSTRUCTIONS FOR HIGH SCHOOL STUDENTS**

Following the instructions in each task, please attempt **one** of the following assignments.

This work is due to be completed and submitted by April 27<sup>th</sup>.

The estimated time to complete this task should take you somewhere between 20 minutes and 45 minutes.

You may send work to me either electronically, (via email), or similar, or as hard, (paper) copy.

<u>Drafting</u>	<u>Task 1</u>	<u>Task 2</u>	<u>Task 3 (Enrichment)</u>
<p>Tannar, in terms of tasks, my preference would be for you to continue working on the OSHA on-line training program. This does depend however on whether you have on-line access. Please remember there is a finite time for this program to be completed. As requested on 4/16/20, I reset your password and sent this to you.</p>	<p>Please continue to work on the OSHA on-line training program. My on-line grade book confirms that you have completed 2 of the 14 modules. The next unit to complete is "Exit Routes/EAP/Fire Assessment". When I set this task I was hopeful that you may have been able to complete <u>one unit each week.</u></p>	<p>Thinking back about the mobile phone and model drone project, explain the role of a designer. In your opinion do you think that designers are created or might their skills and abilities be inherited? Write a one page report justifying your opinion. Pay particular attention to your use of language, grammatical structure, and the order of your report.</p>	<p>Using your house or any other structure, (for example a garden shed, storage barn etc) to which you have access, sketch five elevations of the building. Try and estimate the sizes such as length, width and height if you do not have a tape measure. You could use your pace as a guide for length if you wish. The five elevations or views of the structure should comprise a plan, (eagle or birds' eye view), two side elevations and two end elevations. Attempt to include key features such as doors, windows, chimneys and perhaps external pipework. Label each elevation as appropriate and if time permits add descriptions such as 'brick work, timber siding, wooden window etc).</p>

**Industrial Arts: Jonathan Welch**

Construction I	Task 1	Task 2	Task 3 (Enrichment)
<p>For those students not having already completed their OSHA on-line training program, my preference would be for you to continue working on this. This does depend however whether you have on-line access. Students working on the OSHA program will continue to access their work and complete this electronically through the Career Safe website.</p>	<p>Please continue to work on the OSHA on-line training program.</p> <p>My on-line 'Career-Safe' grade book confirms how far you have progressed and I am able to monitor your access to the site from outside of the classroom. The time available (20-45 minutes) should enable you to complete one additional unit each week.</p> <p>One student has completed all 14 units and is waiting to take the final assessment. If you are this student and you elect to undertake this task, you should spend your time revising for the final test.</p> <p>Please use the Study Guide supplied to complete this.</p> <p>Please let me know if you need a Study Guide.</p>	<p>Thinking back about our practical sessions in the workshop, develop a step by step guide that discusses the hand cutting of a piece of timber.</p> <p>Remember to include material inspection as the first step in your report.</p> <p>Include details of the measuring and checking tools that you might use to ensure the material is cut appropriately.</p>	<p>Using your house or any other structure, (for example a garden shed, storage barn etc) to which you have access, sketch five elevations of the building.</p> <p>Try and estimate the sizes such as length, width and height if you do not have a tape measure. You could use your pace as a guide for length if you wish.</p> <p>The five elevations or views of the structure should comprise a plan, (eagle or birds' eye view), two side elevations and two end elevations.</p> <p>Attempt to include key features such as doors, windows, chimneys and perhaps external pipework.</p> <p>Label each elevation as appropriate and if time permits add descriptions such as 'brick work, timber siding, wooden window etc.</p>

Industrial Arts: Jonathan Welch

Construction II	Task 1	Task 2	Task 3 (Enrichment)
	<p>Please ensure that you have completed and submitted your dimensioned final design for your end of year Senior project.</p>	<p>Develop a simple 'step by step' guide for helping Grade 6 - Grade 8 students read a classroom ruler. Be sure to include areas such as:</p> <ul style="list-style-type: none"> <li>● Types of measuring equipment,</li> <li>● Scales,</li> <li>● Initial selection,</li> <li>● Inspection for damage,</li> <li>● Holding and positioning a ruler,</li> <li>● Where to start measuring from, and,</li> <li>● Understanding the divisions of measurement (increments.)</li> </ul>	<p>I have been offered a number of free on-line training programs by Career Safe. You may remember this was the organization that provided our training for the OSHA 10 hour on-line training program.</p> <p>The course offered relates to developing Interview Skills.</p> <p>Considering that all of us are interviewed at various times in our lives, please develop a short (one page) report detailing how you feel you might benefit from 'attending' this on-line course.</p> <p>Discuss areas appropriate to you. These might include: research, presentation, developing technique, developing confidence, questioning etc.</p> <p><b>Participants of this weekly option will then be invited to participate in this Career Safe program on a 'no charge' basis during Remote Learning: Week 4: Option 3 (Enrichment).</b></p>