

OAKLAND CUSD #5

**DRAFTING &
CONSTRUCTION
TRADES
MAY 4 - 8, 2020**

JONATHON WELCH

Week of May 4 - May 11, 2020

Industrial Arts Jonathan Welch

GENERAL INFORMATION

Hello students. So here we are, already in May and Week 5 of our Remote Learning Program! By now, I am sure you can see that the end of the school year is already in sight. Let's all look forward to some good weather and hope that we, our families, and friends, all continue to stay healthy. Once again I would like to congratulate almost everyone for their time, punctuality, and comprehensiveness in completing an Industrial Arts, Remote Learning task regularly, each week.

Please make sure you read the following comments which not only are designed to help support you in completing your tasks but also in making sure that you are kept up to speed with developments and requirements in being successful in completing fully, all of the Remote Learning work set. 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. In the event that an assignment might be a few days late, please do not forget to let me know in order I can make a note about this in the gradebook. I remain in constant contact with our school and despite currently being confined to working from home, am accessible at all times.

*****IMPORTANT UPDATE!*****

It is anticipated the Industrial Arts Remote Learning Program will end on May 18.

This should be the final date on which work submitted from Week 6 will be accepted. In addition, please note that if you have any other of my Remote Learning work outstanding after this date, it will sadly, be marked 'Incomplete'. It is therefore vital that you make sure that all work is submitted punctually to enable grades to be finalized. At this stage I am uncertain about any implications to students failing to complete all Remote Learning work. However, in order to make sure that you minimize any risk in being asked to complete work over the summer or even prior to starting new Industrial Arts classes next year, I feel it is important to be clear about this now. Please do not delay submitting any work beyond May 18.

During the next academic year, (and subject to student numbers), new Industrial Arts classes will be introduced in the following areas:

- Production Technology,
- Electricity I, and,
- Electricity II
- An introductory Plumbing class will also be introduced although this will be embedded within the existing Construction classes.

If these classes are of interest, please make sure you sign up as soon as possible.

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Career Safe: OSHA 10 hour, on-line Construction training program

If you have not completed all of the training modules, please continue to work through these in your own time and try to get to the stage where you are ready to complete the final test. Remember that OSHA only permits the final test to be taken three times. If you are unsuccessful in completing the final test after two attempts, until I unlock your last attempt, you will not be able to access the test for the third time. If you are at this stage, it is suggested you speak to other Senior students that may be able to assist.

Once you have done this, please contact me stating which student you will be working with and when you are proposing to take the test. At this stage, I will then unlock your last test opportunity.

If you still need a Study Guide, please let me know and I will leave a copy in the school foyer.

Please be aware that the final date for completing this program is mid May.

Helping and supporting each other

Please make sure you read the options carefully. Several students have completed tasks assigned to different classes and even tasks that I have not even prepared!. 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 we have already covered, whereas the third choice should be seen as an enrichment task for those of you wishing 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' continue to be:

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

Please do not feel constrained by these stated times. If you have concerns or need support with any of the weekly tasks or any 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

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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.

Week 5, Remote Learning work needs to be completed and submitted by May 11th.

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

Drafting	Task 1	Task 2	Task 3 (Enrichment)
	<p>Please try to complete any outstanding modules of the OSHA training program before making an attempt on the final assessment.</p> <p>Please be aware that after the middle of May the program will expire. OSHA determines a maximum permissible study time. Our course expires in two weeks.</p> <p>If you need a Study guide, please let me know.</p> <p>In addition, I also suggest you work with a Senior student during any attempt at the final assessment. This is an 'Open Book' assessment too!</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?</p> <p>Write a one page report justifying your opinion.</p> <p>Pay particular attention to your use of language, grammatical structure, and the order of your report.</p>	<p>You have been commissioned to design a mansion for either a sports personality or a musician.</p> <p>Part of this process includes interviewing the celebrity to determine the requirements for their mansion.</p> <p>Develop a list of ten interview questions the answers to which will enable you to develop a Design Specification for their mansion.</p> <p>The first question may perhaps revolve around their needs in terms of a location.</p>

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<p>Construction I</p>	<p>Task 1</p>	<p>Task 2</p>	<p>Task 3 (Enrichment)</p>
	<p>Please try to complete any outstanding modules of the OSHA training program before making an attempt on the final assessment.</p> <p>Please be aware that after the middle of May the program will expire. OSHA determines a maximum permissible study time. Our course expires in two weeks.</p> <p>If you need a Study guide, please let me know.</p> <p>In addition, I also suggest you work with a Senior student during any attempt at the final assessment. This is an 'Open Book' assessment too!</p>	<p>During our time away from school, several students have reported they have been actively engaged in practical projects at home (or elsewhere).</p> <p>Please continue to:</p> <p>Either:</p> <p>Develop a simple report discussing the project and what you have been involved with.</p> <p>Or:</p> <p>Develop a short photographic report of the project. If this second approach is adopted, you must present the photographs sequentially, (in order) and label each photograph (using a minimum of one sentence), to provide an explanation of what is being shown.</p>	<p>I still have a number of free on-line training programs relating to developing Interview Skills and Techniques.</p> <p>As 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>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 6: Option 3 (Enrichment).</p> <p>It may also be possible for students interested in this program to study over the summer as well.</p>

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Construction II	Task 1	Task 2	Task 3 (Enrichment)

Think about residential property of the future.

What might some of the innovations for a Smart Home of the future include?

An example might perhaps be windows that darken in response to sunlight.

Develop a **list of ten** improvements that could be made and write two or three sentences about each.

Explain how the innovations might perhaps be beneficial to the occupant.

Think about areas such as costs, the environment and comfort perhaps.

Identify the term 'Production Technology'

Research the topic and provide six appropriate URLs that might be of use to an instructor in helping to understand **and** deliver this subject to their students.

Justify your selection for each URL suggested.

Either:

Should this task have been completed last week, I will forward you a login name and password. This will enable you to start the online 'Interviewing Techniques' program

Or:

You have been commissioned to design a mansion for either a sports personality or a musician.

Part of this process includes interviewing the celebrity to determine the requirements for their mansion.

Develop a list of **ten** interview questions, the answers to which will enable you to develop a Design Specification for their mansion.

The first question may perhaps revolve around their needs in terms of a location.