

Franklin County School District

School Closure Packet

Career & Technical Center

Please find the pages that are for your program.

Week Six: April 27-May 1

ALL PACKETS SHOULD BE RETURNED TO THE CAREER-TECH BOX AT THE HIGH SCHOOL OR ELECTRONICALLY FROM MAY 2 - MAY 11.

Name:

Career-Tech Teacher:

On April 21, 2020 the Franklin County School Board made the following changes to the 2019-2020 Student Handbook. The Franklin County School District felt these promotion changes were necessary to accommodate the disruption of the 4th 9-week period. The changes effect Reading requirements as well as Grading Scales. If you have any specific questions please call your child's school.

Lower Elementary

Students must maintain a 68% or above in Language Arts, Reading, and Math in Kindergarten, through third Grades. Students are required to attain the skill levels set forth in the Mississippi College and Career Ready Standards which was adopted and implemented in all Kindergarten through Second Grade Mississippi public schools during school year 2014-2015. All students who have an average below 80% in Language Arts, Reading, and/or Math, will be strongly advised to attend summer school. Additionally, as part of the promotion policy, the following standards apply:

B	Kindergarten	First Grade	Second Grade	Third Grade
Letter/sound Recognition	100%	-	-	
Sight Words	68%	N/A	N/A	N/A
Language Skills	68%	68%	68%	68%
Reading Skills	68%	68%	68%	68%
AR Level	.5/C	1.5	2.5	3.5
AR Certification/80%	I Can Read	Independent Reader	Super 2 Reader	Advanced Reader
SE/STAR Reading Proficiency Scores	Star Early 681	227	327	State Cut Score
Math Skills	68%	68%	68%	68%
Reading Gate Cut Score	-	-	-	Must have passing Score

Upper Elementary

A student must pass with a 65% or above in Language Arts and Mathematics, Science and Social Studies; additionally, a student must meet year end proficiency scores on the STAR reading test in order to be promoted. The table below lists the required proficiency scores beginning in 2018 through 2021.

STAR Cut Scores Required for Promotion – Grades 4-6

Grade	School Year	Required Score
4	2018-2019	525
4	2019-2020	510
4	2020-2021	535
5	2018-2019	640
5	2019-2020	608

5	2020-2021	650
6	2018-2019	745
6	2019-2020	710
6	2020-2021	765

Middle School Course/Class Requirements

- Successful completion of a course shall be based upon mastery of the competencies and objectives in the FCMS Curriculum, with a grade average of D (80) or higher as the final grade in the course.
- A student in grade 7 must have a final grade average of a D (80) or higher average in the core academic program, including English, Math, Science, Social Studies, and Learning Strategies (if applicable). All 7th grade students must have a minimal reading Lexile level of 925 or increased by 50 Lexile points by the end of the school year.
- A student in grade 8 must have a final grade average of a D (80) or higher average in the core academic program, including English, Math, Science, MS Studies/Geography, Technology Foundations. All 8th grade students must have a minimal reading Lexile level of 1025 or increased by 50 Lexile points by the end of the school year.
- Students in grades 7 – 8 who fail to complete one (1) or two (2) core subjects or who do not meet the minimal reading Lexile level for their grade may have the opportunity to complete the deficiencies in an Extended School Year (ESY) program. If the student does not attend nor successfully complete the course objectives in ESY, the student will be retained in the current grade.
- Students in grades 7 – 8 who do not complete the requirements for three (3) or more core subjects will be retained in the current grade. ESY will not be an option and the entire grade-level must be repeated.
- The report card shall serve as notice to parents of the student's progress throughout the school year.

Lower Elementary Grading Scale

A = 95 – 100
 B = 85 – 94
 C = 75 – 84
 D = 68 – 74
 F = 67 and below

Upper Elementary Grading Scale

A = 95 – 100
 B = 85 – 94
 C = 75 – 84
 D = 65 – 74
 F = 64 and below

Middle/High School Grading Scale

A = 90 – 100
 B = 80 – 89
 C = 70 – 79
 D = 60 – 69
 F = 59 and below

A message from Student Services!

I hope you are all well and staying as safe as possible!

If you need anything from me, please send me an email!

LBein@fcsd.k12.ms.us

I will do my best to help you with whatever school need you may have!

Times are troubling right now, but better days are ahead!

Until then, Stay Safe, cover your face and wash your hands!

I miss you all and am sending virtual hugs and candy! ♥

Mrs. Bein



A message from Mrs. Calcote:

I hope you all are staying safe and enjoying some down time with your family! I am enjoying the time off with my children, but at the same time I am really missing seeing you all!

If you need anything at all, please email me at brcalcote@fcsd.k12.ms.us. You can also call the Career-Tech office and leave a message for me; the number is 601-384-5889. I will call you back as soon as I receive the message!

If you are a senior, remember to be filling out college applications! I will be more than happy to help you with these or anything else you may need; just send me a message and we can schedule a time to talk and work on it together (virtually of course).

I am here if you need me and I cannot wait to see you all again!

Mrs. Calcote

Contemporary Health 4th and 5th Periods

Week of April 27th - May 1st

Log into your ICEV account and complete the following assignments as you watch the video or Powerpoint:

1) Impact of Nutrition on Health & Wellness - CC

- ❖ Impact of Nutrition on Health & Wellness - Wellness - Student Notes & Assessment I
- ❖ Impact of Nutrition on Health & Wellness - Components of a Nutritious Diet - Student Notes & Assessment II
- ❖ Impact of Nutrition on Health & Wellness - Malnutrition - Student Notes & Assessment III
- ❖ Impact of Nutrition on Health & Wellness - Vocabulary & Assessment IV

2) Disease Prevention = Health Promotion - CC

- ❖ Disease Prevention = Health Promotion - Disease & The Immune System - Student Notes & Assessment I
- ❖ Disease Prevention = Health Promotion - Communicable Diseases - Student Notes & Assessment II
- ❖ Disease Prevention = Health Promotion - Communicable Disease Prevention & Treatment - Student Notes & Assessment III
- ❖ Disease Prevention = Health Promotion - Non-Communicable Diseases - Student Notes & Assessment IV
- ❖ Disease Prevention = Health Promotion - Vocabulary & Assessment VI

3) Community & World Health - CC

- ❖ Community & World Health - Personal Health - Student Notes & Assessment I
- ❖ Community & World Health - Community Health - Student Notes & Assessment II
- ❖ Community & World Health - World Health - Student Notes & Assessment III
- ❖ Community & World Health - Vocabulary & Assessment IV

Resource Management 1st, 2nd, and 3rd Periods

Week of April 27th - May 1st

Log into your ICEV account and complete the following assignments as you watch the video or Powerpoint:

1) Jobs, Careers & Education - CC

- ❖ Jobs, Careers & Education - Education & Training - Student Notes and Assessment I
- ❖ Jobs, Careers & Education - Employability - Student Notes and Assessment II
- ❖ Jobs, Careers & Education - Work & Society - Student Notes and Assessment III
- ❖ Jobs, Careers & Education - Types of Careers - Student Notes and Assessment IV
- ❖ Jobs, Careers & Education - Planning for the Future - Student Notes and Assessment V
- ❖ Jobs, Careers & Education - Vocabulary and Assessment VI

Any ANR student who wants to get their shop clothes, the shop will be open May 15th during normal school hours.

Health Science 1 Assignments for Week 6 April 27th through May 1st

1. Go to aeducation.com and log on. Choose the Anatomy and Physiology Unit. You will then choose the reproductive system.
2. Watch or read lesson 1 PowerPoint on the male reproductive system
3. Watch or read lesson 2 PowerPoint on the female reproductive system
4. Watch or read lesson 3 PowerPoint on diseases and disorders of the reproductive system.
5. The student worksheet is available and will help you to pass the quiz. You can fill it out online. It also has a labeling section for the parts of the reproductive system.
6. Take the quiz at the end of the reproductive system. I will be able to see if your grade once the quiz is completed.
7. This is your last assignment for this 9 weeks. Hello Summer!! Since everyone was able to do their assignments online all assignments are due by Monday May 4th at 3:00pm. I will then start putting in your grade for these 9 weeks.
8. You can reach me on remind or email me at akent@fcsd.k12.ms.us if you have any questions or need anything.
9. I hope you all have a great summer. I MISS you all and hope you are all well. I can't wait to see you all next year if I don't get to see you before then. I enjoyed our year together and look forward to next year!

Miss you all,
Mrs. Kent

Health Science 2 Assignments for Week 6 April 27th through May 1st

1. Go to aeducation.com and log on.
2. Go to Nutrition and Elimination
3. Choose Unit 6 Urinary Catheters
4. Watch or read lesson 1 Urinary Catheters
5. Watch or read lesson 2 Indwelling catheters
6. Watch or read lesson 3 emptying a catheter drainage bag
7. Watch or read lesson 4 connecting catheter to leg bag
8. Watch or read lesson 5 applying a condom catheter
9. There are skill checklists that you can read over to give you directions on how these skills are done (this is just for information)
10. Take the quiz at the end of the unit on Urinary Catheters. I will be able to see your score at the end of the quiz.
11. This is your last assignment for Health Science 2! Hello Summer!! Almost everyone was able to do their assignments for Health Science online so if you did not ask for a packet from me your assignments should be completed by May 4th at 3:00pm. I will begin to put in grades at that time.
12. For those who received a packet from me your packet needs to be turned into the school during the week of May 4th through May 8th. Put my name on it and I will get your packet and will put your grade in. Make sure your name is on it. You can put it back in the envelope I gave it to you in.
13. I MISS you all so much. I can't believe this year has come to an end. I know it did not end like we thought it would but know I have enjoyed having you all in class and getting to know each of you. I expect you all to come by for a visit next year and seniors don't be strangers. Hopefully, we will see each other this summer and Seniors I will see you all at graduation! Have a great and safe Summer.
14. If you need anything send me a message on remind or email me at akent@fcsd.k12.ms.us

Miss you all,
Mrs. Kent

Robotic Engineering

Look over the following terms to get an understanding of different aspects of Chemical Engineering.

Actuator: a mechanical device for moving or controlling something

Algorithm: a procedure for solving a problem, especially in mathematics or computing

Assembly Line: an arrangement of machines, equipment, and workers in which work passes from operation to operation in direct line until the product is assembled

Automation: an apparatus, a process, or a system operate automatically

Design: to create, fashion, or execute according to a plan

Kinematics: a science that deals with motion apart from considerations of mass and force

Mechatronics: combination of mechanical engineering, electronic engineering, and software engineering

Prototype: an original model for a new design

Robot: a device that automatically performs complicated, often repetitive tasks

Service Robot: assists human beings, typically by performing a job that is dirty, dull, distant or dangerous. Service robots typically are autonomous and/or operated by a build in control system, with manual override options

Industrial Robotics: the study, design, and use of robot systems for manufacturing

Robotics: a technology dealing with the design, construction, and operation of robots in automation

Robotic Engineering

Choose a Robotic Engineering career and complete the following:

Education Required:

Job Outlook:

Advancement:

Licenses/Certifications:

How much can you expect to make in this career:

Duties (What are your responsibilities?)

Teacher Academy I & II Lesson Plans

April 27th - May 1st

A Note from Mrs. Larkin: I have entirely too much I want to say to my babies to write it here, so I am going to send a separate letter to Teacher Academy I & II. Just know that I miss you guys terribly and never in a million years did I think when we were counting down to Spring Break that we wouldn't be together again as a class again for the year! It is truly surreal! I miss you guys, but first and foremost I want you healthy and safe. A personal letter to follow soon!

Mrs. Larkin

Monday

Pretend it is 5 years from now. Write yourself a letter and tell yourself where you think you will be at this time, what you hope to have accomplished by then, and how you hope your life will look. I would love for everyone to take the time to do this. I have done this before and it was amazing how many of my students were exactly where they thought they would be and some in an even better place. I would love to keep them and mail them to you in 5 years. ☺

Tuesday

Today the only thing that I ask of you is to send me your mailing address. ☺

Wednesday

Explain what you think the best part of going to field base was for you. (Going to Gaslane cannot be the answer, lol!). Was there anything that shocked you once you began going, such as your enjoying it, the work being harder than you expected, etc.?

Thursday

What are you going to miss most about the Teacher Academy class itself? About the group that you were in Teacher Academy with?

Friday

Take a picture of something outside that you think best represents you. Let's keep it appropriate, ☺ Explain how the picture represents you and your overall personality. I look forward to seeing this!

It's Not Goodbye,

It's See You Later.....

Welding 1

Week of April 27 Using all of the sections from Module Six, answer the Review questions on separate paper.
Day One

Review Questions

- Which section of the ASME Boiler and Pressure Vessel Code contains the specifications for acceptable ferrous (Part A) and non-ferrous (Part B) base metals?
 - I
 - II
 - V
 - IX
- The minimum requirements for the design, materials, fabrication, erection, testing, and inspection of various types of piping systems are covered by _____.
 - ASME B31
 - AWS D1.1
 - AWS B1.11
 - API Std. 1104
- The code that covers the requirements for welding structures or components under the surface of water is _____.
 - ASME B31
 - AWS D1.1
 - AWS D3.6M
 - API 1104
- If you are directed to perform a weld for which you are not qualified, you should _____.
 - bypass the chain of command
 - report directly to the safety engineer as soon as possible
 - try to resolve the matter with your immediate supervisor
 - perform the weld to the best of your ability
- Which of the following is considered a non-essential variable for a welding performance qualification?
 - Material thickness
 - Post-heat treatment
 - Travel speed
 - Welding process
- The presence of voids or empty spots in the weld metal is called _____.
 - porosity
 - inclusion
 - defect
 - discontinuity
- The type of porosity in which the weld exhibits a localized grouping of pores is known as _____.
 - uniformly scattered porosity
 - clustered porosity
 - linear porosity
 - piping porosity
- The type of weld discontinuity referred to as wormholes is _____.
 - clustered porosity
 - piping porosity
 - cold cracks
 - incomplete fusion



(A)



(B)



(C)



(D)

Figure 1

For Questions 9 through 11, match a picture in Review Question Figure 1 to each discontinuity listed by putting the correct letter in the blank.

- Linear porosity _____
- Surface slag inclusion _____
- Toe crack _____
- One method of reducing weld metal cracking is to use _____.
 - fast-fill electrodes
 - fill-freeze electrodes
 - low-hydrogen electrodes
 - fast-freeze electrodes
- Dross from flame cutting, if not removed, is likely to cause _____.
 - porosity
 - spatter
 - undercut
 - incomplete penetration
- Dimensional accuracy of a weld is checked by _____.
 - visual inspection
 - using a tape measure
 - radiography
 - using welding gauges
- A vacuum box is used to check for _____.
 - inclusions
 - porosity
 - leaks
 - incomplete fusion

Day 2

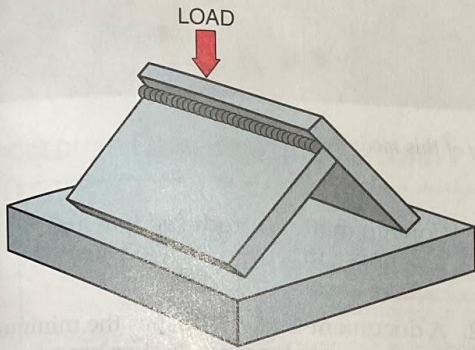


Figure 2

16. The test method shown in Review Question Figure 2 is the ____.
- nick-break test
 - fillet weld break test
 - impact test
 - hardness test
17. The nick-break test is a type of ____.
- tensile test
 - hardness test
 - soundness test
 - impact test
18. A typical AWS welder qualification test is a V-groove weld with metal backing in the 3G and 4G positions using an ____.
- F4 electrode
 - F3 electrode
 - F2 electrode
 - F1 electrode
19. An ASME welder qualification that qualifies a welder to weld pipe in all positions and plate in all positions is ____.
- 1F position test
 - 6G position test
 - 4F position test
 - 4G position test
20. To properly prepare a test specimen, it is important to ____.
- quench the specimen while it is hot
 - grind it width-wise to produce a notch effect
 - remove any face or root reinforcement from the weldment
 - make sure the edges are sharp

To save space, for the next section, use the trade terms located in the green/gray box at the beginning of your sections of this Module.

Trade Terms Quiz

Fill in the blank with the correct term that you learned from your study of this module.

- _____ is the demonstration that welds made following a specific procedure can meet prescribed standards.
- A(n) _____ is a discontinuity or imperfection that renders a part of the product or the entire product unable to meet minimum acceptable standards or specifications.
- The type of discontinuity that is identified by cracking in the base metal near the weld, but under the surface is _____.
- Metals that have the ability to be made harder by heating and then cooling are called _____.
- The document containing the results of the nondestructive and destructive testing required to qualify a welding procedure specification (WPS) is called a(n) _____.
- _____ is a change or break in the shape or structure of a part that may or may not be considered a defect, depending on the code.
- The quality or state of having a uniform structure or composition throughout is known as _____.
- The testing method in which images are made by passing X-rays or gamma rays through an object and recording the variations in density on photographic film is known as _____.
- Cracks in the base metal formed when layers separate are called _____.
- _____ metal has been made brittle and will tend to crack with little bending.
- Foreign matter introduced into and remaining in a weld is called a(n) _____.
- A document that establishes the minimum requirements for a product or process and can be adopted into law is a(n) _____.
- A welding parameter that cannot be changed without requalifying a procedure is a(n) _____.
- The ability of a material to absorb energy in the presence of a flaw is known as _____.
- A welding parameter that can be changed without requalifying a procedure is a(n) _____.
- The variables that must be considered when notch toughness requirements are invoked are called _____.
- A document that defines how a code is to be implemented is a(n) _____.
- A(n) _____ is a document that defines in detail the work to be performed or the materials to be used in a product or process.
- A device that converts one form of energy into another is called a(n) _____.
- _____ is a method of joining metal using heat and a filler metal with a melting point above 842°F (450°C).
- The deflection of an arc from its intended path by magnetic forces is known as _____.

Trade Terms

Arc blow
 Brazing
 Code
 Defect
 Discontinuity
 Embrittled
 Essential variables

Hardenable materials
 Homogeneity
 Inclusion
 Laminations
 Non-essential variables
 Notch toughness
 Procedure qualification record (PQR)

Radiographic
 Specification
 Standard
 Supplemental essential variables
 Transducer
 Underbead cracking
 Welding procedure qualification

1. The Boiler and Pressure Vessel Code is published by the _____. 1.1.1
2. The private organization that does not actually prepare standards, but instead adopts standards that it determines are of value to the public interest is called the _____. 1.1.4
3. If you are directed to perform work that you believe is unsafe and your immediate supervisor directs you to do it anyway, you should _____. 1.1.7
4. Essential variables identified by a welding procedure specification (WPS) are items that cannot be changed without _____. 1.2.1
5. The results of testing a WPS are recorded on a _____. 1.2.1
6. Most porosity is caused by improper welding techniques and _____. 2.1.0
7. Thermal shrinking acting on a heat-affected zone that has become embrittled is a common cause of _____. 2.2.2
8. The failure of the filler metal to make its way into and fuse with an area of the weld joint is known as _____. 2.3.1
9. When weld metal rolls over onto the plate surface, it is referred to as _____. 2.4.1
10. A groove is melted into the base metal beside the weld in the condition called _____. 2.3.3
11. The most common defects found by a liquid penetrant test are _____. 3.1.4
12. Prior to welding, the base metal should be examined for conditions that may cause weld defects, and the required dimensions should be _____. 3.1.0
13. Which of these types of defects is not likely to be detected using magnetic particle inspection? _____. 3.2.1.
14. Pulse transmission refers to a type of _____. 3.3.2
15. Which destructive test requires that the sample be pulled until it breaks? _____. 3.4.0
16. Nick-break testing is commonly used to _____. 3.4.0
17. The number/letter designator for fillet welding on plate in the flat position is _____. 4.1.0
18. Electrodes in the F4 group are type _____. Table 1 page 5
19. In a typical ASME welder qualification test, the welder is required to weld _____. 4.2.2
20. In a typical ASME welder qualification test using an open root, if F3 electrodes are used all the way out, the welder qualifies on _____. 4.2.2
21. For a welder qualification test, plate thicker than 3/8" (1.6 to 10 mm) thick requires _____. 4.3.2

22. Edges of test specimens should be rounded because _____. 4.3.3
23. In a typical ASME welder qualification test using an open root, if F3 electrodes are used all the way out, the welder qualifies on _____.4.2.2
24. Recognize a fillet weld gauge. (What it looks like and how it works).
25. Know unacceptable weld profiles.

I hope you are all well! Remember you can email photos or copies of your work directly to me at CWactor@fcsd.k12.ms.us . All completed work packets must be returned to the student's school location during the week of May 4-8.

Did you see the plans for turning in packets and fourth nine weeks averages online? Here is the message below:

The Franklin County School District will continue to provide weekly student work packets at all school locations and also online assignments through May 1. In order for students to receive credit, all completed work packets must be returned to the student's school location during the week of May 4-8. Drop off boxes will be set up at each school location. Please be sure to have your child's name and grade on the work packets. (Please return any textbooks, AR books, or other school items at this time) A fourth 9-week average will be given in all classes. The fourth 9-week average will be determined by the average of the student's first three 9-weeks grades PLUS credit they will receive for completing student work packets or online assignments. The Franklin County High School is working to develop a senior video to be released on May 15 to recognize the originally planned graduation date. However, Franklin County High School has designated either June 26 or July 31 as possible dates to have a formal senior graduation. It is the desire of the Franklin County School District to provide a traditional senior graduation as soon as possible. If you have any questions please call your child's school.

Welding 2

Module 29207-15 GTAW Equipment and Filler Metals Week of April 27

Review

Name _____ Date _____

Using the previous weeks materials, match the following GTAW related terms:

- | | | |
|-------------------------|-------|--|
| 1. Argon | _____ | Color of color band for 2 percent thoriated tungsten |
| 2. Helium | _____ | Three resistor variable voltage control |
| 3. Potentiometer | _____ | Power source (Welding Machine) required for GTAW |
| 4. Tungsten | _____ | Tungsten electrode ground to cone shape and blunted |
| 5. Constant Current | _____ | Identifying marks on tungsten electrodes |
| 6. Truncated | _____ | Color of color band for pure tungsten |
| 7. Gas lens Collet Body | _____ | Another name for GTAW electrodes |
| 8. AC | _____ | Most common shielding gas for GTAW |
| 9. Flow rate | _____ | Shielding gas used when deeper penetration is required |
| 10. Nozzle | _____ | Electrodes used for mild steels, alloy steels and stainless steels |
| 11. Balled Tip | _____ | Holds Electrode in place |
| 12. Red | _____ | Current used for aluminum |
| 13. Lift-arc Technology | _____ | Allows electrode touch base metal but arc doesn't start until lifted |
| 14. Green | _____ | Fine screens that straightens the gas flow and eliminates turbulence |
| 15. Thoriated | _____ | Tungsten tip prepared for welding aluminum |
| 16. Collet and Backcap | _____ | Directs shielding gas flow |

I hope you are all well and staying safe! This is the last week of work. Remember you can email photos of completed work or scan copies of completed work to me at CWactor@fcsd.k12.ms.us In order for students to receive credit, all completed work packets must be returned to the student's school location during the week of May 4-8. Drop off boxes will be set up at each school location. Please be sure to have your name and grade on the work packets.

Here is the message on the district website in case you missed it:

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