

**MPHS CTE**  
**Week 5/4-5/8**

# Ag Science Packet

Week of May 4th through May 8th

**Directions:** If you are taking any class instructed by Mr. Rice, Mrs. Coberley, Ms. Hearron and Mr. Hunnicutt please do the following assignment. There is an article called "Soil Quality". Please read the article then answer the questions. The internet is not required for this assignment, please answer the three questions to the best of your abilities after reading the article. If you have any questions pertaining to the assignment or need to turn in an assignment do it via email. The instructors email is listed below.

[trice@mpisd.net](mailto:trice@mpisd.net) , [shearron@mpisd.net](mailto:shearron@mpisd.net) , [mcoberley@mpisd.net](mailto:mcoberley@mpisd.net) or [shunnicuttt@mpisd.net](mailto:shunnicuttt@mpisd.net)

Source

United States Department of Agriculture Natural Resources Conservation Service. (2011, September 19). Bulk Density. Retrieved from [http:// soilquality.org/indicators/bulk\\_density. html](http://soilquality.org/indicators/bulk_density.html)



## Background: Soil Quality

*Soft and crumbly — like cottage cheese.*

*Loose and full of holes — like a sponge.*

These are descriptions of a soil that has proper structure. Soil structure is the arrangement of the solid parts of the soil and the space between them. When the solid parts — sand, silt and clay particles — cling together as coarse, granular aggregates, the soil has a good balance of solid parts and pore space.

Healthy soil is well-structured. One way we measure the structure of soil is by evaluating bulk density. Bulk density is calculated as the dry weight of soil divided by its volume. This volume includes the volume of soil particles and the volume of pores among soil particles. Bulk density is typically expressed in  $\text{g}/\text{cm}^3$ .

Bulk density is important. Compaction is a term that describes bulk density that is too high. Compaction can restrict root growth and cause poor plant growth reducing crop yield. Compaction causes poor movement of air and water through the soil. It can lead to increased runoff and erosion on sloping land or waterlogged soils in flatter areas.

There are practices farmers can avoid to reduce the likelihood of compaction:

- Minimize soil disturbance and production activities when soils are wet
- Use designated field roads or rows for equipment traffic
- Reduce the number of trips across an area

Long-term solutions to bulk density and soil compaction problems revolve around decreasing soil disturbance and increasing soil organic matter. Farmers can use techniques such as cover crops (plants grown for the enrichment of the soil) and reduced tillage (limiting how much the ground is broken up at the beginning of a planting season). Using these techniques results in increased soil organic matter, less disturbance and reduced bulk density.

Soil structure is critical to how soil functions. As world population and food production demands rise, keeping our soil healthy and productive is of paramount importance. As a result of using techniques that promote proper soil structure, farmers are preventing unnecessary erosion, increasing water infiltration and improving microbial populations — all while harvesting better profits and often better yields.

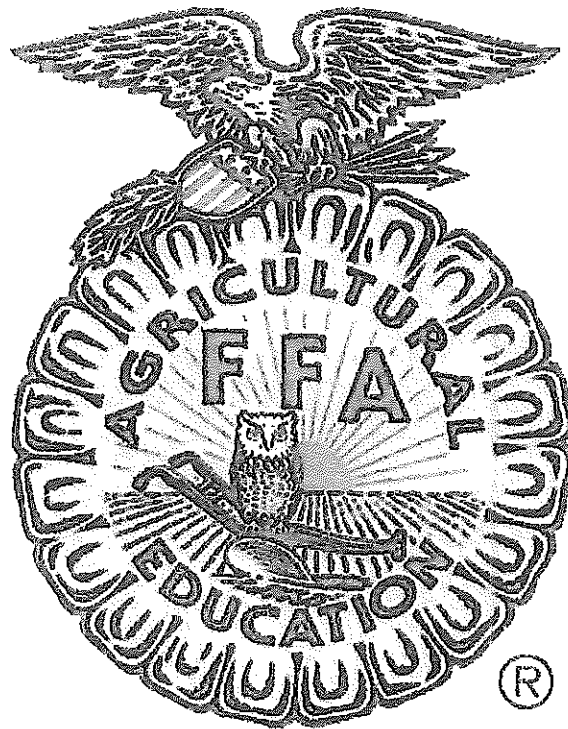
### Questions for discussion:

1. Why is measuring bulk density important?
2. What practices promote well-structured soil?
3. Why should a farmer care about soil quality?





# Mount Pleasant FFA Scholarship Application





## Mount Pleasant FFA Scholarship Application

Attached is our scholarship form for active participating seniors.

### Requirements:

- Must be a senior
- 3 year member of FFA
- 2.5 GPA over the course of 4 years
- Must have participated in 5 FFA activities per year
- 2 letters of recommendation
- Answer all questions on application
- Official high school transcript

## Mount Pleasant FFA Scholarship Application

Please print clearly. All lines must be completed. Please enter N/A if not applicable.

Please print clearly. All lines must be completed. Please enter N/A if not applicable.

Applicant name: Last First Middle

Street Address

City State Zip

Home Phone Mobile Phone

Social Security # Date of Birth Age at Graduation

Full Name of Father or Legal Guardian Full Name of Mother or Legal Guardian

Mailing Address Mailing Address

City, State, Zip City, State, Zip

Home Phone Mobile or Work Phone Home Phone Mobile or Work Phone

Overall Grade Average: \_\_\_\_\_ Class Rank: \_\_\_\_\_ / \_\_\_\_\_ ACT: \_\_\_\_\_ SAT: \_\_\_\_\_  
# class # score score

1. What college, university, or vocational/technical institution do you plan to attend?

2. Have you applied for or received other scholarships, grants, or stipends? If yes, please state name and amount if known.

### The FFA Mission

FFA makes a positive difference in the lives of students by developing their potential for **premier leadership, personal growth, and career success** through agricultural education



Applicant's Name: \_\_\_\_\_

3. Describe briefly the major course of study you will pursue in college, university, or vocational/technical school:

---

---

4. Describe in your own words why you chose the above institution and course of study :

---

---

---

---

5. List any academic achievements and honors:

---

---

---

6. List any church, school, community activities you have been involved in the past 3 years:

---

---

---

---

The FFA Mission

FFA makes a positive difference in the lives of students by developing their potential for **premier leadership, personal growth, and career success** through agricultural education



# Arts/AV Classes

## Week 6

Classes include Principles of Arts/AV and Communications, Newspaper, Photography, Yearbook, Audio/Video Production, TNT

**Copyright laws are important because it establishes the ownership of one's original work. Retaining ownership allows you to protect your work from others using it without your consent.**

**Instructions:** Using the internet, research copyright laws and answer the following questions.

**The questions are also on Edmodo in Mr. Whitten's & Mrs. Porter's classes**

1. What does the copyright law protect?
2. Whose rights does the copyright law protect.
3. What does the copyright law give the owner the right to decide?
4. How can copyrighted material legally be copied?
5. What are the three basic copyright requirements for copyright protection?
6. What is the Agency name responsible for overseeing copyright?
7. What are your rights as a Creator? List six.
8. Why is it important to have copyright laws?

True or False

9. \_\_\_\_\_ If you write a poem do you need to include a copyright symbol in order to be copyrighted?
10. \_\_\_\_\_ Can you can adapt a book into a movie without permission from the author of the book?
11. \_\_\_\_\_ Can you can post copyrighted images online without permission from the photographer?

**If you are in yearbook and can work on yearbook pages, please contact Mr. Whitten either at 903-563-4252 or email at [jwhitten2@mpisd.net](mailto:jwhitten2@mpisd.net). I can send you the login information.**

**If you have any questions, email your teacher. We miss you all!**

**[jwhitten2@mpisd.net](mailto:jwhitten2@mpisd.net), [tporter@mpisd.net](mailto:tporter@mpisd.net), [dmccarley@mpisd.net](mailto:dmccarley@mpisd.net)**

## **Automotive**

### **Automotive Tech 1**

Heating Ventilation and Air Conditioning

Website: [www.cdlearning.com](http://www.cdlearning.com)

Course access code: E2E643

Assignment: For the week of May 4 Thru May 8, students should log into CDX and working on Chapter 59. Within chapter 59 students should complete the pre test, all section quizzes, and end of chapter test.

Instructor Contact Info:

Zachary Strawbridge

[zstrawbridge@ntcc.edu](mailto:zstrawbridge@ntcc.edu)

### **Automotive Tech 2**

Engine Repair and Diagnosis

Website: [www.cdlearning.com](http://www.cdlearning.com)

Course Access Code: B822B7

Assignment: For the week of May 4 Thru May 8, students should log into CDX and complete Chapter 18. Within Chapter 18, students should complete the chapter pre test, all section quizzes, and the end of chapter test.

Instructor Contact Info:

Zachary Strawbridge

## TEX CHIP: PART 2!!



TEX CHIP is a company that specializes in creating computer chips. Although Texas is part of their name, it's a national company that ships all across the U.S.! They're a relatively new company, so they're turning to you for help to get some things figured out!

TEX CHIP began in 2007, created by Joe Mullins, a recent IT graduate from Texas State University. His passion was for creating technology known for its high quality and providing friendly customer support. Joe knows there's many other companies making the same product he is... and at a cheaper price, with cheaper materials. Joe also offers a 10% discount for all Texas customers.

Since there's a fairly small, yet successful company, they're looking to start advertising nation-wide! They want people to know they're a small company, focused on creating high-quality products and family-owned. They are keeping their manufacturing in Texas, to support the state economy and help provide more job opportunities for Texans.

Based on last week's assignment, let's assume you encouraged TEX CHIP to start advertising nationally. If they're paying over \$340,000 for thirty seconds on tv, they need some smart and effective ads!

1. Be sure to read the new information on TEX CHIP at the top!  
With that info, what slogan would you give to TEX CHIP that helps set them apart from competition?  
(HINT: a slogan is a short phrase that identifies a business. Nike is, "Just do it". McDonald's is "I'm loving it")

**SLOGAN:** \_\_\_\_\_

2. **Create the Ad!** Write a script to be read on the ad (*at least 4 sentences*), **and** draw a picture or series of pictures to show what the ad would look like!  
Use a separate piece of paper or the back of this paper for more room!  
Remember to make your ad unique- it must be your own creation and not something already on tv!

# Carpentry Lesson Plans

## Construction Tech. I and II

Go to <https://www.skillshare.com/browse/woodworking>

Click on Basic Hand tools and equipment I recommend for woodworking

Work all sections.

## Practicum of Construction

Work on OSHA 30 Hour Course

**Jimmy Alston**

---

Comments

There are 3 ways your student can return his/her work.

1. (Most preferred method) Students can email their work directly to the teacher(s). They can scan and email it, or even take a photo of completed pages and email those.

FOR OPTIONS 2 AND 3, BE SURE THE WORK IS LABELED WITH CHILD'S NAME, GRADE, AND CAMPUS!

2. Work can be dropped off at the campus on Monday from 11-1 during lunch pick up. New work will be available and completed work can be dropped off.

3. Work can be dropped off on Monday during after hours pick up.

CHANGE FOR WEEK TWO: After hours pick up and drop off will be at the individual campuses from 5:00-6:00 p.m. There will be no after hours at the Administration building on April 6th.

4. If none of those options will work for you, call your child's campus and they will make arrangements with you.

Thank you to all of our AMAZING families. We are sorry for everything you are having to endure right now. We hope to see all of our Tigers very soon ☐🌀

Sent from my Verizon, Samsung Galaxy smartphone



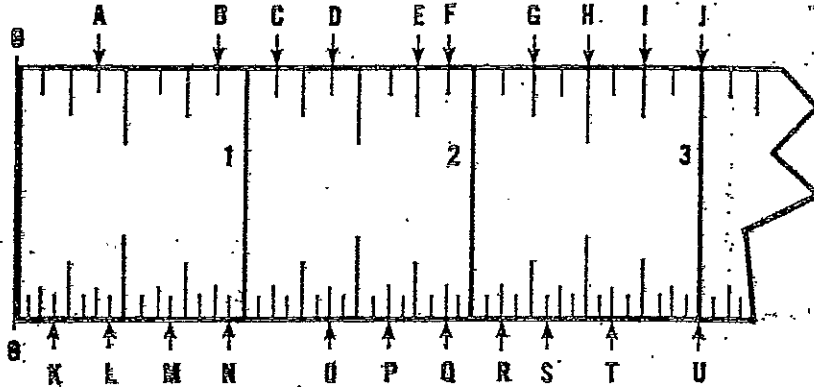
*Alston*

AS 3

READING A RULE TO THE POINT OF MEASUREMENT

*4/27/20*

Directions: Use the drawing below to determine the distances from the left end of the rule, which is the "0" point, to the point of measurement, which will be lettered.



Fill in each of the distances below. Reduce the answer if possible.

- |                  |                  |
|------------------|------------------|
| 1. 0 to A _____  | 12. 0 to I _____ |
| 2. 0 to B _____  | 13. 0 to M _____ |
| 3. 0 to C _____  | 14. 0 to N _____ |
| 4. 0 to D _____  | 15. 0 to O _____ |
| 5. 0 to E _____  | 16. 0 to P _____ |
| 6. 0 to F _____  | 17. 0 to Q _____ |
| 7. 0 to G _____  | 18. 0 to R _____ |
| 8. 0 to H _____  | 19. 0 to S _____ |
| 9. 0 to I _____  | 20. 0 to T _____ |
| 10. 0 to J _____ | 21. 0 to U _____ |
| 11. 0 to K _____ |                  |

Satisfactory completion of this assignment sheet partially fulfills competency A-7 of Building Maintenance.



# COSMETOLOGY

## DISTANCE EDUCATION OVERVIEW

Distance Education: A formal instructional process in which the student and teacher are separated by physical distance and a variety of communication technologies are used to deliver instruction in theory to the student. Courses taught by distance education do not satisfy the requirements of the practical portion of the course curriculum.

Note: Distance Education hours are the only form of hours which can be completed without the presence of an instructor. If a student accrues hours by clock or credit, only the time system being used to account for distance education hours should be used to eliminate the possibility of duplicate credit for students.

## INSTRUCTIONS

Students will need to contact Ms. Aleshia Rivera-Palomino at [arivera@mpisd.net](mailto:arivera@mpisd.net) and provide a workable email. Once the email has been verified the student will be enrolled in the Distance Education Course and contacted through the email provided for further instructions.

Students will access their distance learning course either on a computer or a smart device. The first time they access or accept enrollment for the course needs to be on a computer.

# Culinary

ALL 4 LEVELS OF CULINARY ARTS

WEEK 6: May 4th 2020

Chef Anker: [kanker@mpisd.net](mailto:kanker@mpisd.net)

Mrs. Bradley: [mbradley@mpisd.net](mailto:mbradley@mpisd.net)

**\*\*\*\*\*Intro-- Mrs. Bradley's classes only\*\*\*\*\***

1. Students are to get onto Edmodo to complete their tasks. Join the Remind account if you have not already done so.

Edmodo	Remind (81010)
fvuwks	@66da7fa

**\*\*\*\*\*Chef Anker:**

**All Chef Anker's classes do the following assignment:** Ok classes...back to the basics. I want to make sure your skills aren't fading. Do 4 knife cuts (sm, med, & lg dice and julienne) then make a blonde roux (bonus points if you make something out of the roux. For any questions you can remind message, email, or the MP Culinary page on FB. Miss you all! Stay well and keep cooking ☺ -Chef

**Culinary Arts** --Chef Anker 2<sup>nd</sup>/3<sup>rd</sup> period only

Remind: [81010](https://www.remind101.com/81010) text message: @hf3k6d

**Advanced Culinary Arts** -- Chef Anker 7<sup>th</sup>/8<sup>th</sup> period only

Remind: [81010](https://www.remind101.com/81010) text message:@823e42

**Practicum in Culinary Arts** -- Chef Anker 4<sup>th</sup>/5<sup>th</sup>/6<sup>th</sup> period only

Remind: [81010](https://www.remind101.com/81010) text message:@39gghd



## Mrs. Sweeden's Education and Training

Another week out for distance learning and I still miss you guys! I would love to see each of you in a group discussion at your scheduled times on ZOOM. If you cannot log on and participate, please email me and we will chat in google hangouts.

**Practicum:** Seniors Online classes as usual. Remember to complete your observation reflections and turn them in. ZOOM meeting at 10 am on Monday...



**Instructional Practices:** ZOOM 857-6442-1944 Password: 4zHXvX on Tuesday @11:00am to discuss your websites and portfolios. Some of you have not visited your site in quite a while. This is an end of year project that is a summative assessment. I will be available online for questions and assistance in updating your portfolios including the list of online resources for distance learning on a google doc. We will be presenting our portfolios to our peers and critiquing them with a rubric provided in this link: These will be added to your website as well. Make sure they are reliable, trusted websites (IE. ending in .gov, .edu, and occasionally .com) Give a brief synopsis of each sight. All grade levels are considered.



**Human Growth and Development:** ZOOM mtg ID: 863-8723-7400 Password: 1MEgsp on Tuesday @ 1:30 to discuss your next field based assignment. You will create a pictorial model of your daily events. Photos should be time stamped and compiled into one album shared on google drive with [tsweeden@mpisd.net](mailto:tsweeden@mpisd.net) If you opt out of the photo assignment, you must document your daily events and meals/snacks throughout the day beginning once you wake until you sleep at night. Be sure to include naps and ventures outdoors.



**Principles of Education:** ZOOM mtg ID: 892-8635-2762 PassWord: 8fXdHS on Tuesday @ 2:30 pm. Some still need to complete the OSHA training and since it is free for you, please finish this. Those of you who have finished and are considering taking Human Growth and Development next year, tell me your experience with kids from babysitting to sibling care. You can do this in a google doc titled Childcare Experience and submit your responses to [tsweeden@mpisd.net](mailto:tsweeden@mpisd.net) on google docs.

If you have any questions, you can email me. Love you all!

The Sweed



## Mount Pleasant High School - CTE

### Electrical Technology Packet #6

Date: April 27, 2020

Instructor: Tim Davis

Email: [tdavis@mpisd.net](mailto:tdavis@mpisd.net)

[tdavis@ntcc.edu](mailto:tdavis@ntcc.edu)

Office number: 903-434-8385 - 903-575-2081

### **Please email me if you should have any questions and/or help.**

#### **Electrical Tech I**

- Students will need to use their textbook for this assignment. All electrical I students checked out a textbook at the beginning of the school year. If your child doesn't have a textbook please let me know.
- Students are to read and answer chapter 8 review questions starting on page 196, 197, and ending on page 198. There are five sections to complete. (1) "Armored Cable" (2) "Metallic-Sheathed Cable Components" (3) "Armored Cable Connectors and Clamps" (4) "Metallic-Sheathed Cable Parts" (5) "Installing Armored Cable."
- Students can submit answers via email to [tdavis@mpisd.net](mailto:tdavis@mpisd.net).

#### **Electrical Tech II Dual Credit**

- Continue to use "Mike Holt" online format
- [www.capacitor.mikeholt.com](http://www.capacitor.mikeholt.com)
- **Check your NTCC email often**

Complete the review questions for all Units 7-15. You'll turn in or submit review questions via email, [tdavis@mpisd.net](mailto:tdavis@mpisd.net) or at drop off point at MPHS. Complete/submit all your test for Units 7 – 15 online. The units will be due April 30, 2020. Keep in mind, this is a Dual Credit class – students will need to have the assignment's completed in order to receive college credit. If you need me to reset your password – email me. Please contact me if you're having trouble logging in.

#### **Prac in Electrical Tech –**

- **Check your NTCC email often.** Please contact me if you're having trouble logging into your NTCC email account. It's extremely important students communicate with their instructor during this time.
- Continue to use the online black board format. You must submit Chapters and Test 1 – 7. All students should have already submitted Chapters and Test 1 – 7. If you haven't please submit ASAP.
- Student's to write a paper on "Harmonics." The student paper shall address the following; (1) What are the harmonics and how are they generated? (2) What are the adverse effects of Harmonics? (3) What can an electrician do to combat harmonics on an electrical circuit? No copy and paste. Student must site references used. **Again, if you have trouble - please email me.**

# Fashion Design 1&2

Week 5-4/5-8

All classes need to check Edmodo and iCEV.

Margaret Bradley  
Family and Consumer Sciences  
Mt. Pleasant High School, MPISD  
[mbradley@mpisd.net](mailto:mbradley@mpisd.net)



# Principles of Human Services

Week 5-4/5-8

All students need to check Edmodo on a regular basis.

Margaret Bradley  
Family and Consumer Sciences  
Mt. Pleasant High School, MPISD  
[mbradley@mpisd.net](mailto:mbradley@mpisd.net)



## FRESHMAN SKILLS ASSIGNMENT

Mrs. Lockett (dlockett@mpisd.net)      Mr. Keeney (jkeeney@mpisd.net)  
Mrs. Fry. (sfry@mpisd.net)                      Mr. Conley (dconley@mpisd.net)

If you choose to have a checking account, you can spend your money by using a debit card or writing checks. Either way you will have to keep a log of how much you spend and where you spend your money, so you will have money in your account. The assignment introduces a check register, simply a sheet where you keep track of how much you spend (subtraction or withdraw) and how much you put into your account (add or deposit).

If you don't keep a log of how much you spend, it's possible you could try to purchase something and not have enough money on your debit card or in the checking account.

The assignment is asking you to balance your checking account. Please use the withdrawal (minus: taking money out) and deposits (add: putting money in) to complete your banking account. The first three have been completed for you.

If you have any questions, please email your teacher. Please scan your assignments back to your teacher or take a picture with your phone and send to your teacher's email.

**YOUR UNDERSTANDING OF THE NEW TEACHING IS APPRECIATED. WE MISS ALL OF YOU AND WE'RE EXCITED WHEN YOU RESPOND OR TURN YOUR WORK IN.**





## Health Science Home Assignment Week 6

**Ayers Practicum 2-Medical Assisting** – Check your email/Remind for your assignment. You can message me on Remind or email me at [aayers@mpisd.net](mailto:aayers@mpisd.net) if needed. Be sure to complete your CCMA practice exam A #4.

**PHS w/ MRS AYERS & MRS BUMPUS -Week 6 Ch. 9 & 10 Summary** Read the following information & make a quizlet or flashcards. (Ayers class finish OSHA certification & make vocab quizlets or flashcards (see Remind) @phsmphs)

1. Collagen is found in the skin & hair, tendons & muscle, bones and ligaments. 2. Vitamin C is important for the production of collagen. 3. The three layers of skin are epidermis, dermis, & hypodermis (subcutaneous). 4. Pigment = color. 5. Melanin is the brownish-black pigment produced by melanocytes and found in the epidermis. 6. The acronym “ABCDE” reminds us what to check (for signs of skin cancer) Asymmetry, Border, Color, Diameter, & Evolving. 7. Abrasion – a scrape on the skin’s surface. 8. Basal cell carcinoma is the most common type of skin cancer. 9. Blood vessels deliver nutrients & carry away waste but also affect skin color as seen in cyanosis. 10. Vitamin D forms when cholesterol in the skin is exposed to UV light. 11. Burns can be caused by heat, electricity, or chemicals. 12. The size of a burn is estimated using the “rule of nines” 13. The three types of muscle in the body are cardiac (myocardial), smooth (visceral), & skeletal (striated). 14. Phlebotomist – draw blood and receive specimens for testing. 15. Ophthalmologist is a medical dr who treats eye diseases & performs eye surgeries & an optometrist does not perform eye surgeries. 16. Delegate – to assign tasks to each team member. 17. A healthcare worker cannot refuse a delegated task unless it is illegal/unethical, outside of scope of practice, cannot perform safely, or not part of their job description. 18. Healthcare workers must protect the privacy of each pt’s medical info according to the guidelines of HIPAA. 19. Apical pulse is measured by listening over the apex of the heart with a stethoscope. 20. *Cardiac output, blood volume, race, gender, age, & resistance to blood flow* influence blood pressure readings. 21. Personal protective equipment (PPE) such as gloves, mask, gown, & face shield, prevent disease transmission.

### **Mrs. Bumpus Health Science Theory Week 6**

Based on the information from last week about the types of assistive devices to help patients ambulate, answer the following questions to the best of your ability and send answers via email to [sbumpus@mpisd.net](mailto:sbumpus@mpisd.net). If you need to write it on notebook paper and take a pic to email, that is fine: 1) Describe the types of assistive devices that can be used to help someone ambulate, and explain under which conditions each type of device should be selected, 2) Which assistive device is used frequently by the elderly who may have chronic problems with stability and balance. Positioning of patients is important to help maintain appropriate circulation and prevent them from getting bed sores (decubitus ulcers). Some of the reasons that positioning is important include: increasing comfort and helping the patient relax, restore body functions (it can help improve breathing and digestive functions and stimulate circulation), helps prevent deformities (atrophy, ankylosis, contractures, foot drop), and to relieve pressure and strain on the skin to prevent formation of decubitus ulcers (bed sores).

**Anatomy & Physiology:** The power point for the Digestive System is in Edmodo. You will use it to answer the following questions. 1) What is another name for the digestive tract? 2) The Digestive tract extends



form \_\_\_\_\_ to \_\_\_\_\_. 3) Accessory organs are separate organs which aid in what? 4) What are the 3 layers of the mucosa? 5) What is the Submucosa and contained in this area? 6) Describe the muscularis. 7) Describe the Serosa. 8) Define mesenteries along with their function. 9) Define mesocolon. 10) What is another name for the mouth? 11) Describe the tongue as its function for the digestive system. 12) What separates the mouth from the nasal cavity? 13) Describe the soft palate and its location. 14) Describe the salivary glands along with their function. 15) What is the function of salivary amylase and lipase? 16) Where does digestion of food begin? 17) Define mastication. 18) Name the parts of the tooth along with their function. 19) What is the purpose of the Pharynx in the digestive system?

**Practicum1:**

- Study EKG material on nhanow.com and quizlet
- Look over the "focused review" of the last practice test.
- Research the job of an EKG technician. Please find: job description, job duties, and salary in Texas. List 3 things you would like about this job, and 2 things that are less desirable about this job. Find a current job opening for an EKG tech and list the name and address of the company who is currently hiring. Please submit this assignment to [wmccall@mpisd.net](mailto:wmccall@mpisd.net).

**Practicum II-C.N.A.:** Please take a cnatutor.org test and submit your score to [khouchin@mpisd.net](mailto:khouchin@mpisd.net). Also, write an essay on how you are practicing your skills at home. What skills are you struggling with and why? Where do you need help in remembering how to keep the steps in order? Have you tried to reschedule your certification test through Pearsonvue? If so, when is your test date and location? Submit your essay to the same email as above.

# LAW ENFORCEMENT

Principles of Law - Law Enforcement 1- Law Enforcement 2 - Forensic Science

## WEEK 6

### Principles of Law/Chamness:

#### DIRECTIONS:

Log onto iCEV Online – [www.icveonline.com](http://www.icveonline.com)

Please review all previous assignments and complete accordingly. Utilize this week as a 'catch up/review' week for previous instruction.

### Law Enforcement 1/Chamness:

#### DIRECTIONS:

Log onto iCEV Online – [www.icveonline.com](http://www.icveonline.com)

Please review all previous assignments and complete accordingly. Utilize this week as a 'catch up/review' week for previous instruction.

### Law Enforcement 2/Bailey:

#### DIRECTIONS:

Log into your MyEagle Portal on NTCC website - <https://ntcc.onelogin.com/>

**Work through/complete → Chapter 16: Contemporary Challenges in Criminal Justice.**

View videos, complete assignments, and respond to the discussion post. If you need to, take a picture of any completed assignments and email them to me at [ebailey@mpisd.net](mailto:ebailey@mpisd.net)

Please email me if you have any questions or need your log in information.

### Forensic Science/Parker:

#### DIRECTIONS:

You have assignment folders for 3/30/2020 through 5/4/20 on Schoology.com. There have been many questions concerning the due dates. If the folder is marked 3/30, the assignments started on Monday 3/30 and you had that week to complete them. If you have not started your assignments, please do so (you obviously are behind). I am sending updated lists of students actively working on assignments to our counselors. When returning work, it is best to send your assignment in digital form (making sure that I can read your answers). Take CLOSE UP pictures of your completed assignments and send them to me on Schoology or send them in file form. When you send me and email on Schoology, the options will be listed below the text box. Sending a photo of the last couple of questions on a page (on top of a stack of pages) will not get you credit...I need to see ALL of your work. Check ALL of your material in your folder. There may be additional instructions that answer many of your questions. There may also be quizzes that need to be taken in the Quizzes Folder by a certain date. Check the resources folder, if needed, for any additional resources to help you complete your assignments. If you have questions, email me on Schoology Monday-Friday 9-3 (Weekend email may not be answered as quickly). If you have difficulty with your login, email me at [sparker@mpisd.net](mailto:sparker@mpisd.net). I know this isn't how you wanted your Spring semester to go, me either. We all had plans, but remember...**THIS CLASS** (your graduating class) **CAN'T BE BROKEN**. Stay safe, stay strong, stay well.

#### **INSTRUCTOR CONTACTS:**

Elizabeth Bailey: [ebailey@mpisd.net](mailto:ebailey@mpisd.net) - Law Enforcement 2

Ricky Chamness: [rhamness@mpisd.net](mailto:rhamness@mpisd.net) - (903) 285-1956 - Principles of Law, Law Enforcement 1

Sadonna Parker: [sparker@mpisd.net](mailto:sparker@mpisd.net) - Forensic Science

Lisa Trimm: Scientific Research and Design

[ltrimm@mpisd.net](mailto:ltrimm@mpisd.net)

903-826-0104

# Paper Football

## Materials Needed

- Materials from around the house to create goal posts.
- Scissors
- Tape/ glue
- Paper

## At-Home Instructions

- Build two goal posts using objects found around the house.
- Find a smooth flat surface to use as the game field.
- Fold sheets of paper into different shapes including triangles, squares or crumpling the paper into a ball.
- Attempt to make field goals by flicking these newly created shapes through the goalposts.
- ***Discover which paper shapes travel the farthest and highest!***

Document how you applied the scientific method to this task.

1. Purpose: What are you trying to find out?
2. **RESEARCH**
3. Hypothesis: If.....then....
4. Experiment: What does your experiment look like?
5. Analysis (GRAPH)
6. Conclusion: Was your hypothesis correct?



# STEM

Principles of Engineering | Engineering Design I & II | Practicum in Engineering | Manufacturing Engineering | Practicum in Manufacturing | Programming I  
Week of May 4<sup>th</sup> | Assignments are listed by class | Emails: [dmccarley@mpisd.net](mailto:dmccarley@mpisd.net) | [jjones@mpisd.net](mailto:jjones@mpisd.net)

## **\*\*\*\*\*Principles of Engineering\*\*\*\*\***

Please be familiar with the following:

**Design Process** - The design process usually involves the following steps:

- Identify the model requirements.
- Conceptualize the model based on the identified needs.
- Develop the model based on the concepts.
- Analyze the model.
- Prototype the model.
- Construct the model.
- Edit the model, if needed.

**Design Intent** - Design intent determines how you want your model to react as a result of the changes you need to make to the model. For example, if you make a boss with a hole in it, the hole should move when the boss moves. Design intent is primarily about planning. How you create the model determines how changes affect it. The closer your design implementation is to your design intent, the greater the integrity of the model.

**Design Method** - Before you actually design the model, it is helpful to plan out a method of how to create the model. After you identify needs and isolate the appropriate concepts, you can develop the model, create the sketches and decide how to dimension and where to apply relations.

**The Modeling Process** - Select the appropriate features, such as extrudes and fillets, determine the best features to apply, and decide in what order to apply those features. The sketch is the basis for most 3D models. Creating a model usually begins with a sketch. From the sketch, you can create features. You can combine one or more features to make a part. Then, you can combine and mate the appropriate parts to create an assembly. From the parts or assemblies, you can then create drawings.

## **\*\*\*\*\*Engineering Design I & II & Practicum in Engineering\*\*\*\*\***

### ASSIGNMENT

Sketch out (with words and a picture if applicable) one or more of these ideas below for adjusting school to what may become our new normal. Send it to me [jjones@mpisd.net](mailto:jjones@mpisd.net)

1. Study outside of the classroom when possible/ take online classes/ take less classes
2. Require face coverings/ require no contact between students, etc.
3. Room dividers/ seat dividers/ cubicles for students/ window shields like gas stations have
4. Reduce the number of students in class/ make larger spaces for classes
5. Improve/increase cleaning procedures/ have better ventilation
6. There is a bit of a delay on the work you all are submitting so feel free to use your own ideas if you do not like the ones from your classmates above.

**Social distancing** means remaining out of congregate settings, avoiding mass gatherings, and maintaining distance (approximately 6 feet or 2 meters) from others when possible. (cdc.gov)

## **\*\*\*\*\*Manufacturing Engineering & Practicum in Manufacturing\*\*\*\*\***

Log on to [www.learnamatrol.com](http://www.learnamatrol.com) and continue your lessons and tests. I will be watching and will reset your tests when needed. Send me an email if you have any questions. [jjones@mpisd.net](mailto:jjones@mpisd.net)

## **\*\*\*\*\*Programming I\*\*\*\*\***

Log on to [www.code.org](http://www.code.org) and continue your lessons. Send me an email if you have any questions. [jjones@mpisd.net](mailto:jjones@mpisd.net)



## Fractured Clavicle

- Fractures of this bone are the most common fracture in the shoulder region.
  - This injury usually results from falls or direct blows.
  - The adolescent form of this injury is known as a "greenstick" fracture.
- All clavicular fractures are potentially dangerous to neural and vascular structures and should be treated by physician.

## Fractured Clavicle

### Signs and symptoms include:

- Swelling, Deformity and Discoloration.
- Athlete will hold the arm to relieve pressure.

### First Aid

- Treat for shock.
- Apply sling & swathe bandage.
- Apply sterile dressings on any wounds.

## Fractured Scapula

- Uncommon injury that is normally the result of a direct blow.
- Signs and symptoms are less clear than those for a fractured clavicle.
  - Symptoms include:
    - History of severe blow.
    - Considerable pain and functional loss to shoulder girdle.
- An athlete with such a history and symptoms should be referred to a medical doctor.

## Acromioclavicular (AC) Joint Injuries



- AC joint is located on the lateral superior aspect of the shoulder, just under the skin.
- Injuries involve AC ligaments & CC ligaments.

## AC Joint Injuries

- Typical mechanism is downward blow to the lateral shoulder or fall on an outstretched arm.
- **Type I** all ligaments are intact; AC ligament sprain.
- **Type II** tearing of the AC ligament, with CC ligament intact
- **Type III** involves complete rupture of AC ligament and CC ligament with dislocation of the AC joint.
- **Type IV** involves ligament disruption and posterior displacement of the clavicle, piercing the trapezius.
- **Type V** involves significant dislocation of the distal clavicle along with damage to the deltotracheal fascia.
- **Type VI** involves complete dislocation of the distal clavicle to an inferior position

## AC Joint Injuries (cont.)

### Signs and Symptoms

- Mild swelling with point tenderness.
- Any movement of the shoulder region will be painful.
- In third-degree sprain, a snap or pop may have been sensed along with a visible deformity.

### First Aid

- Treat for shock and Apply RICE.
- Apply sling & swathe bandage.
- Refer athlete to a physician.

## Sternoclavicular (SC) Joint Injuries

- The sternoclavicular joint is formed by the union of the proximal end of the clavicle and the manubrium of the sternum.
  - SC joint is supported by the several ligaments.
  - Injuries are rare compared to AC or GH joints.
- Mechanism is external blow to the shoulder resulting in a dislocation of proximal clavicle; most commonly, with the clavicle moving anteriorly and superiorly.

## Sternoclavicular Joint Injuries

### Signs and symptoms include:

- Gross deformity of SC joint (second- and third-degree sprains).
- Swelling & painful movement.
- Snapping or tearing sensations related to the injury.
- Athlete holds arm on affected side close to the body.

### First Aid

- Treat for shock.
- Apply ice and compression.
- Sling & swathe bandage.

## Review Questions

1. Which two bones make up the shoulder girdle?
2. To what structure is the glenoid labrum attached?
3. List the four muscles of the rotator cuff group and identify one action common to each muscle.
4. List four signs and/or symptoms of a fractured clavicle.
5. Describe the appropriate first aid procedures for a fractured clavicle.
6. Describe the common signs and symptoms of AC joint injuries.
7. Explain the appropriate first aid care for AC joint injuries.