



# Page High School Sand Devils



## Construction 1 Dual Enrollment - CCC CTM 123

**Instructor:** Ms Trujillo

**Office Hours:** Lunch, Tues. & Thurs. (Class Work Only)

**Phone:** (928) 608 - 4100 Ext: 5827

**Email:** eutrujillo@pageud.org

### COURSE DESCRIPTION:

This course will cover basic construction principles in safety, hand & power tools, materials, various types and methods of building foundation and framing systems like floor foundations and interior and exterior framing. The course will concentrate on building methods, quantity estimation, hands-on skills and competency in safe use of tools & equipment.

### MANDATORY CLASS MATERIALS:

Following items **MUST** be brought to class everyday.

- Pencil
- Permanent marker
- Lock (for locker)
- Safety glass - First one will be provided. If lost, stolen, or damaged, it is the responsibility of the student to replace it.
- Enclosed shoes (Shop Day) - Sandals, crocs, shoes with any sort of holes are **not acceptable**.

**THIS IS YOUR RESPONSIBILITY.**

### ASSESSMENT:

Students will demonstrate their learning based on the following assessment:

- Math
- Professional Points
- Classwork
- Projects
- Weekly Quizzes
- Test

**GRADING SCALE:** Letter grades will be administered and determined as follows:

100 - 90 A

79 - 70 C

< 59 F

89 - 80 B

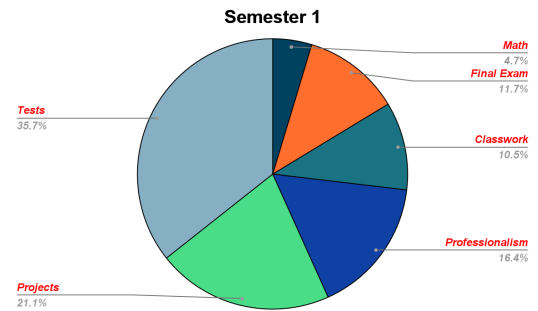
69 -60 D

**CLASS CONTENT CALENDAR:** (Please note that this is tentative and may subject to change)

| Semester 1                         |                                                                                                       |                                                                        |
|------------------------------------|-------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Course Content                     | Assessment                                                                                            | Points Allotment                                                       |
| Introduction & Syllabus            | Signed Syllabus                                                                                       | 5 points                                                               |
| Careers in Construction            | Matching Careers<br>Career Worksheet                                                                  | Total<br>10 Points                                                     |
| Safety - SP/2                      | 15 modules (Pass w/100% x 3 minus 1)<br>Final Exam (Pass w/100% x 3 minus 1)<br>Signed Shop Agreement | 15 points<br>50 points<br>10 points<br>Total<br>75 Points              |
| Shop Safety/Basic First Aid        | Safety Scenarios Demo<br>Test                                                                         | 15 points<br>10 points<br>Total<br>20 Points                           |
| Hand Tools                         | Construction Math x2<br>Hand Tool Worksheet<br>Test                                                   | 10 points<br>15 points<br>25 points<br>Total<br>50 Points              |
| Tape Measure Reading               | Construction Math x2<br>Worksheet x 2<br>Test                                                         | 10 points<br>20 points<br>15 points<br>Total<br>45 Points              |
| Power Tools                        | Construction Math x2<br>Power Tool Cuts x6<br>Test x 6                                                | 10 points<br>30 points<br>85 points<br>Total<br>125 points             |
| Materials/Fasteners                | Construction Math x2<br>Material/Fastener Worksheet<br>Page Lumber Field Trip<br>Test                 | 10 points<br>10 points<br>10 points<br>15 points<br>Total<br>45 points |
| Group Project<br>(if time permits) | Construction Math & Blueprint<br>Project                                                              | 10 points<br>75 points<br>Total<br>60 points                           |
| Concrete                           | Construction Math x2<br>Blueprint<br>Concrete Project<br>Test                                         | 10 points<br>10 points<br>35 points<br>25 points<br>Total<br>80 points |
| Masonry                            | Construction Math x2<br>Blueprint<br>Project<br>Test                                                  | 10 points<br>10 points<br>30 points<br>25 points<br>Total<br>75 points |
| Final Exam                         | Test - Multiple Choice<br>Shop Clean-Up                                                               | 50 points<br>50 points<br>Total<br>100 points                          |

COURSE EVALUATION: *(Please note that this is tentative and can be subject to change)*

| Assessment             | Total Point Allotment       | Estimated Percentage Grade   |
|------------------------|-----------------------------|------------------------------|
| <b>Semester 1</b>      |                             |                              |
| Weekly Quiz            | NO WEEKLY QUIZ 1ST SEMESTER |                              |
| Math                   | 7 Math = 70 points          | 8% of the grade              |
| Final Exam             | 2 Exams = 100 points        | 12% of the grade             |
| Classwork              | 8 Classwork = 105 points    | 12% of the grade             |
| Professionalism Points | 70 x 2 points = 140 points  | 16% of the grade             |
| Projects               | 6 Projects = 195 points     | 23% of the grade             |
| Tests                  | 8 Tests = 250 points        | 29% of the grade             |
|                        | <b>Total = 860 points</b>   | <b>Total = 100% of grade</b> |

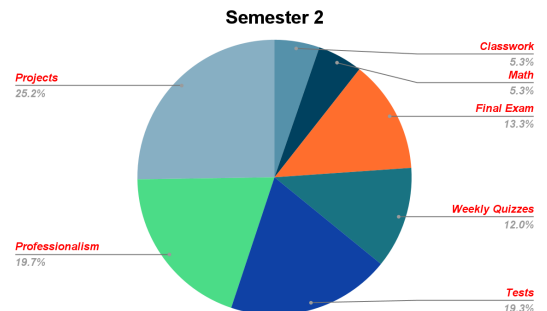


COURSE EVALUATION: *(Please note that this is tentative and can be subject to change)*

| <b>Semester 2</b> |                                                                                                                |                                                                                                             |
|-------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Course Content    | Assessment                                                                                                     | Points Allotment                                                                                            |
| Safety - SP/2     | Final Exam (Pass w/100% x 3 minus 1)                                                                           | 50 points                                                                                                   |
| Floor Framing     | Construction Math x2<br>Blueprint<br>Project<br>Test                                                           | 10 points<br>10 points<br>30 points<br>25 points<br>Total 75 Points                                         |
| Wall Framing      | Construction Math x2<br>Blueprint<br>Wood Frame Project<br>Steel Frame Project<br>Test                         | 10 points<br>10 points<br>30 points<br>30 points<br>25 points<br>Total 105 Points                           |
| Ceiling Framing   | Construction Math x2<br>Blueprint<br>Wood Frame Project<br>Test                                                | 10 points<br>10 points<br>30 points<br>25 points<br>Total 75 Points                                         |
| Roof Framing      | Construction Math x2<br>Blueprint<br>Common Rafter Cut<br>Hip Rafter Cut<br>Jack Rafter Cut<br>Project<br>Test | 10 points<br>10 points<br>10 points<br>15 points<br>15 points<br>35 points<br>25 points<br>Total 120 Points |
| Final Exam        | Test - Multiple Choice<br>Shop Clean-Up                                                                        | 50 points<br>50 points<br>Total 100 points                                                                  |

COURSE EVALUATION: *(Please note that this is tentative and can be subject to change)*

| Assessment             | Total Point Allotment      | Estimated Percentage Grade |
|------------------------|----------------------------|----------------------------|
| <b>Semester 2</b>      |                            |                            |
| Classwork              | 4 Classwork = 40 points    | 5% of the grade            |
| Math                   | 4 Math = 40 points         | 5% of the grade            |
| Weekly Quiz            | 18 Weekly Quiz = 90 points | 12% of the grade           |
| Final Exam             | 2 Exams = 100 points       | 13% of the grade           |
| Professionalism Points | 74 x 2 days = 148 points   | 19% of the grade           |
| Tests                  | 5 Tests = 150 points       | 20% of the grade           |
| Projects               | 8 Projects = 195 points    | 26% of the grade           |
|                        | <b>Total = 763 points</b>  | <b>Total = 100%</b>        |



#### FINAL EXAM POLICY:

- Final Exam(s) will be given during its scheduled time. Keep in mind this may expand into multiple days.
- Students who wish to take the final earlier due to planned circumstances may do so by communicating **1 week prior** and receiving approval from the teacher. Together, a date and time will be set for the student to take the final exam.
- Students who **do a no show** for the final exams and **did not communicate** with the teacher will automatically receive a **zero** and **cannot make it up**.

It is the responsibility of the student to communicate with the teacher if unforeseen circumstances come up during exam time.

#### EXTRA CREDIT POLICY:

Extra credit is rarely given in this class. If given, it will be given case by case.

#### RETAKE AND RESUBMISSION POLICY:

All must be completed the last Friday before finals week at 3:45pm.

1st Semester = Thursday, December 12th @ 4:30 pm.

2nd Semester = Thursday, May 15th @ 4:30 pm.

- Weekly Quiz** - All weekly quizzes will only be given **1 retake**. The retake can be taken a day after it was given.
- Math** - All math work can be resubmitted for a better grade as many times until a 100% has been earned.

- **Classwork** - All class work can be resubmitted for a better grade as many times until a 100% has been earned.
- **Projects** - All projects can be resubmitted for a better grade, however the project must be resubmitted a week after the original due date. This is due to materials and resources usually put away and/or limited.
- **Tests** - All tests will only be given **1 retake**. The retake can only be taken a day after it was given.
- **Final Exam** - There are **no retakes** on the final exam(s). It's a one and done exam.

#### **PROFESSIONALISM POINTS POLICY:**

Students will earn **2 points every day**. This represents the student's **attendance, materials, participation and work ethic** that is needed to be successful in this class and in the real world industry. Professionalism points are accumulated throughout the entire semester and if points are lost it **WILL** make an impact on your grade.

|                                                                                |                   |
|--------------------------------------------------------------------------------|-------------------|
| TRDY - Not inside the class when the bell rings.                               | 1 point           |
| EXC - Doctor excuse or legitimate excuse and communicated to the front office. | 1 point           |
| ONC/ACT - On campus or in an activity/sport.                                   | 1 point           |
| VER - Absent verified through the front office.                                | 1 point           |
| CLEAN UP - Does not help clean up or complete the clean up.                    | 1 point           |
| LEAVES EARLY/STAND BY DOOR - Leaves before the bell rings. Stands by the door. | 1 points          |
| ELECTRONIC DEVICES - Cell phones and/or other electronics not in class box.    | 0 points          |
| PPE - No proper PPE and not able to work. Alternative work will be given.      | 0 points          |
| XTRDY - 15 + minutes late after the bell rings.                                | 0 points          |
| UNV - No call in or communication to the front office.                         | 0 points          |
| ISS/STEP - Not in class, but in the ISS/STEP program.                          | 0 points          |
| TRUANT - Made the decision to not go to class. <b>CANNOT make up.</b>          | 0 points          |
| UNPREPARED - No pencil, paper, USB drive, notes, etc.                          | Lose 1 point each |
| NOT WORKING/HORSE PLAY - Not on task, not working, being reminded to work.     | Lose 1 point each |

If a student wishes to make up professionalism points, he/she may come in during office hours, and make it up.

- **1 pt = 15 minutes after. Students must be working on work the entire time.**
- Sign into the after school sheet on the whiteboard of time in and time out. If students forgets to sign in, it does not count.



#### **DUAL ENROLLMENT (COCONINO COMMUNITY COLLEGE) CREDIT:**

Students may earn college credit for construction (CCC CTM 123) through Coconino Community College (CCC) if they desire. This is highly recommended whether or not the student decides to attend college or pursue a degree in construction, this college credit can also be used as an elective credit and it's **FREE!!**

- Construction 1 (CCC CTM 123) = 3 credits
- Construction 2 (CCC CTM 124) = 3 credits
- Total College Credits Earned = 6 credits
- Credit will be earned after taking **2 years** of construction and with a **passing grade of a D or higher**.
- Keep in mind the grade earned (A-F) will stay on the student's college record/transcript.
- Students may change their mind for earning college credit but must do so before the drop date. Drop date will be communicated once the teacher is notified.

#### **MATH CREDIT (PAGE HIGH SCHOOL):**

Students may also earn one (1) math credit while taking two (2) years of construction at Page High School. This is due to the fact this class uses, performs, and implements a lot of algebraic and trigonometry math in the class. Students must meet the following requirements in order to receive the (1) math credit.

- **Students must complete the 2 years of construction. Credit will be given after year 2 of construction.**
- **Students must pass both 2 years with a D or higher.**
- **Students must notify their counselor they will be taking this opportunity.**

This too is highly recommended as this opens up other opportunities for the student to take a different class and expand their knowledge in their learning.

#### **INDUSTRY CERTIFICATION(S):**

Industry certification is **NOT** offered to first year construction students. Year two is when construction students will be offered an industry certification at **no cost** to the student. It is highly recommended for all year 2 construction to take both industry certification.

- Occupational Safety and Health Administration 10 (OSHA 10 Certification)
- National Coalition of Certification Center (NC3 Certification) - Multimeter

#### **ARIZONA TECHNICAL STATE ASSESSMENT (TSA):**

This course will prepare students to take the Arizona Test State Assessment (TSA). The Arizona state assessment test will be administered during year 2 of construction. This test will identify student's as completers in construction and students will be awarded an Arizona state certificate and an honor cord for students to wear during graduation. TSA is an important test given within all CTE classes.

#### **CONSTRUCTION/DRAFTING CLUB:**

All students are encouraged to become a member of the Construction/Drafting club. The club will consist of building leadership skills, relationship building, and most of all participating in Arizona SkillsUSA competition, where students will compete with other high school students in the state of Arizona. This is another great opportunity for students who wish to pursue a career and/or advance their learning in engineering, architecture, drafting, construction, welding, etc. The club will require attending club meetings, fundraisers, social club activities, and possible competitions at SkillsUSA.

#### **CTE Travel Eligibility Policy:**

To be eligible for CTE-related travel, students must maintain a **70% or a grade of C or higher in all classes**. Grades will be reviewed **at noon on the day prior to travel** to determine eligibility.

#### **CLASSROOM POLICIES:**

- **Personal Electronic Devices** - Cell phones, headphones and other personal electronic devices are a determinant to the learning environment. Cell phones will be stored in the box as you enter the classroom. Not even for math calculations. Earbuds, and other personal electronic devices must be stored in a student's backpack for the duration of instructional time or in the box. Below are the consequences for violating these expectations at Page High School.
  - **1st Offense:** Staff will review school wide expectations of no phones during instructional time and the student will be directed to place their phone in the box.
  - **2nd Offense:** Phone is confiscated and held until the end of the day by administration.
  - **3rd Offense:** Phone is confiscated and held until the end of the day, the student is assigned Lunch Detention, and parents/guardians will be notified.
  - **4th Offense:** Phone is confiscated, student is assigned After School Detention (ASD), and parent/guardian must pick up the phone.
  - **5th Offense:** The student will be required to turn their phone into the office when they arrive on campus in the morning. The duration of time will be determined by administration.
  - **If a student is found using their cellphone in the hallway during instructional time, the device will be confiscated and held until the end of the day.**
- **Dress Code** - For safety concerns all students are expected to dress appropriately and professionally, meaning while in the construction shop jeans/slacks and enclosed shoes must be worn.
- **Safety Glasses**- Students who do not have safety glasses during shop day will do the following:
  - Write 2 sentences on why they do not have their safety glasses and their plan to have it next time. Put paper on the teacher's desk. Grab a used safety glasses from Ms. T.
  - Extreme offense = Parent contact.
- **Enclosed Shoes** - Students who do not have proper shoe during shop day will do the following:
  - Organize tool rooms and/or materials.
  - Extreme offense = Parent contact.
- **Shop Day Clean Up** - All students are responsible for cleaning the shop before they are dismissed..
  - Students who do not help clean-up will lose professionalism points.
- **Exiting** - Students are expected to work from bell to bell.
  - Students are to not wait by the door for the bell to ring.
  - Students are to not leave before the bell rings. Refer to the professionalism chart above for lost points.
- **Tardies** - A student who is not inside the class at the end of the bell is considered tardy. Tardies will be addressed according to the student handbook and professionalism points will be lost based on the chart above.
- **Extra Tardies** - 15+ minutes late is considered extra tardy.
- **Student Athletes** - All paper documentations must **ONLY** be handled before, and after school or during lunch time. It will not be addressed during class time.
- **Food & Drinks** - **NOT** permitted in this class/shop especially if we cannot clean up after ourselves.
- **Restroom/Water/Hall policy** -
  - Must have a student planner to sign in order to use the restroom.
  - Not allowed to go the **first and last 10 minutes of class.**
  - Not allowed when lecturing is on going.

| The Sand Devil Way | Classroom Expectations                                                                                                                      |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Be Kind            | <ul style="list-style-type: none"> <li>• Respectful Comments, body language and facial expressions</li> <li>• Help and encourage</li> </ul> |

- Not allowed when another student is gone. One at a time.
- Must take the hallway pass (plant/wood). Do not take the pass in the restroom.
- Must stay within J-Building.
- Do not abuse the system or your privilege may be revoked or **(1)** professionalism points will be lost.
- Do not lose the hall pass or no one will be able to go at any time.
- **Sand Devil Way** - This class will consistently recognize and reinforce The Sand Devil Way at Page High School. These expectations ensure that the learning environment is set up to increase student learning. Students are expected to follow all school rules in this classroom. These rules can be found in your Student Handbook. The following classroom expectations will help you be successful in this class and help maintain a positive learning environment:
  - **Be On-Time:** In the classroom, when the bell rings is on time.
  - **Be Prepared:** Come to class prepared with all materials and ready to learn from bell to bell.
  - **Be Respectful:** Respect other students, teachers, school property, and yourself. Respect those around you the way you would like to be respected.
  - **Be Kind, Get Involved, Work Hard!!!**

**MODIFICATION:**

The Instructor reserves the right to add, delete, or modify the syllabus at any time.

**PLEASE SIGN THIS PAGE AND RETURN ONLY THIS PAGE AS SOON AS POSSIBLE:**

**Construction 1  
Syllabus  
Trujillo**

We, my child and I have read and understand the information on the preceding pages related to the course outline, grading, and class policies for Ms. Trujillo's Construction II.

Date: \_\_\_\_\_

Class Hour: \_\_\_\_\_

Student Name: \_\_\_\_\_

Student Signature: \_\_\_\_\_

Parent/guardian Name: \_\_\_\_\_

Parent/guardian Signature: \_\_\_\_\_

Parent/guardian Email Address: \_\_\_\_\_

Parent/guardian Daytime Phone Number: \_\_\_\_\_

*The above information will be used to contact either parent or student for educational purposes regarding this class and the CTE department only. I would like to keep you posted on your student's progress in my class. Thanks, your cooperation is greatly appreciated!!!*