

CONSTRUCTION TECHNOLOGY SYLLABUS

Construction I is an instructional program that prepares students for employment or continued education in the occupations of carpentry. The curriculum framework for this program was developed in partnership with the Mississippi Construction Education Foundation (MCEF). MCEF is the accredited sponsor for the National Center for Construction Education and Research (NCCER).

COURSE DESCRIPTION: Construction I introduces students to fundamentals of construction safety, tools, math, and blueprint reading and basic carpentry, electrical, masonry, and plumbing skills. Upon the completion of this course, students will have knowledge to complete the Contren Core Certification.

TEACHING FORMAT: Lectures, class discussions, reading, writing, group work, presentations and lab work will be used to make sure that students are prepared for employment or continued education in the occupations of carpentry.

TEXTBOOKS AND SUPPLIES: Textbooks will be provided by the Indianola Career and Technical Center and will remain in the classroom. The students will need the following items daily for this class:

- Notebook paper
- Pens and pencils
- Safety glasses
- Tape measurer

GRADING CRITERIA: Each student is graded according to the Indianola School District's grading policy. Your grade will be based on how much and how well you complete your class work and projects. Each nine weeks grade is broken down into the following percentages:

- 25% for daily work which will include classroom participation and class work
- 50% for major work which will include projects, presentations, and tests
- 25% for your nine weeks exam/project

ATTENDANCE AND MAKE-UP POLICY: Students should attend class daily; however, when a student is absent, the following procedures will be taken for missed assignments:

1. Students that are absent one (1) day should check the assignments box/crate to get the assignments from the previous day. The assignments should be completed and turned in on the next day. For example, if a student is absent on Monday, he/she will get the assignment on Tuesday to be turned in on Wednesday.
2. Students who are absent over a three day period for a serious illness or family situation (flu, severe cold, chicken pox, death of a loved one) will be given all missed assignments. The assignments should be completed within one (1) week of his/her return to school. For example, if a student is absent for several days and returns to school on a Wednesday, he/she will have until the following Wednesday to complete and turn in the missed assignments.
3. Students who know that they will be out of school ahead of time for surgery or some other major illness must make arrangements in the office to receive their weekly assignments. The assignments must be completed during their stay at home and returned during the following week. Additional assignments will be given once the original assignments are returned.
4. Students who fail to turn in an assignment on the due date will have three (3) days to turn in the assignment before the grade turns into a zero (0).
5. ALL assignments should be turned in on the due date. However if they are not, the following grades will be given:
 - Assignments one (1) day late will receive a grade of 75 if the assignment is completed correctly.
 - Assignments two (2) days late will receive a grade of 70 if the assignment is completed correctly.
 - Assignments three (3) days late will receive a grade of 65 if the assignment is completed correctly.

Please realize that if the assignment is late and not completed correctly that your grade will be even lower than those given above.

STRATEGIES FOR SUCCESS IN CONSTRUCTION I: These are some helpful tips that if you often will make your year in Construction I a successful one.

- Use time wisely.
- Begin assignments in a timely manner to make sure the assignments are completed by the due date.
- Ask questions when you do not understand.
- Keep necessary school/classroom supplies.
- Complete ALL assignments given by the teacher.

PACING GUIDES: The chart below gives you information on what units will be taught in class. The charts also give you the major assignments for each unit. If you use this chart wisely, you will be on target with your class work.

Unit	Title	Assignments
1	Introduction and Orientation	Construction Essay
2	Basic Safety	Operate fires extinguisher Demonstrate ladder safety
3	Basic Math	Draw plan for construction project
4	Hand and Power Tools	Safely operate hand and power tools
5	Introduction to Blueprints	Draw blueprints for two bedroom home
6	Introduction to Carpentry	*History of carpentry essay *construct a floor system
7	Introduction to Electrical Wiring	Perform basic wiring using model
8	Introduction to Masonry	Perform basic masonry using model
9	Introduction to Plumbing	Perform basic plumbing using model

STUDENT ORGANIZATION: Students enrolled in Construction I are encouraged to join Skills USA. Skills USA provides students with experiences in leadership, teamwork, citizenship and character development. It emphasizes total quality at work, high ethical standards, superior work skills, life-long education, and pride in the dignity of work. Skills USA also promotes understanding of the free-enterprise system and involvement in community service.

CPAS: All students will be required to take this exam during the fourth nine weeks. Scores from this exam will count as your fourth nine weeks exam, 25% of your fourth nine weeks grade.

CARPENTRY SYLLABUS

Construction is a program or an instructional program that prepares students for employment or continued education in the occupations of carpentry. The curriculum framework for this program was developed in partnership with the Mississippi Construction Education Foundation (MCEF). MCEF is the accredited sponsor for the National Center for Construction Education and Research (NCCER).

COURSE DESCRIPTION: Carpentry consists of an in-depth study of foundations; wall and ceiling framing; room framing; windows and doors; and stair layout. Upon the completion of this course, students will have the knowledge to complete the Contren Level I Certification. Students are encouraged to take this certification exam.

TEACHING FORMAT: Lectures, class discussions, reading, writing, group work, presentations and lab work will be used to make sure that students are prepared for employment or continued education in the occupations of carpentry.

TEXTBOOKS AND SUPPLIES: Textbooks will be provided by the Indianola Career and Technical Center and will remain in the classroom. The students will need the following items daily for this class:

- Notebook paper
- Pens and pencils
- Safety glasses
- Tape measurer

GRADING CRITERIA: Each student is graded according to the Indianola School District's grading policy. Your grade will be based on how much and how well you complete your class work and projects. Each nine weeks grade is broken down into the following percentages:

- 25% for daily work which will include classroom participation and class work
- 50% for major work which will include projects, presentations, and tests
- 25% for your nine weeks exam/project

ATTENDANCE AND MAKE-UP POLICY: Students should attend class daily; however, when a student is absent, the following procedures will be taken for missed assignments:

1. Students that are absent one (1) day should check the assignments box/crate to get the assignments from the previous day. The assignments should be completed and turned in on the next day. For example, if a student is absent on Monday, he/she will get the assignment on Tuesday to be turned in on Wednesday.
2. Students who are absent over a three day period for a serious illness or family situation (flu, severe cold, chicken pox, death of a loved one) will be given all missed assignments. The assignments should be completed within one (1) week of his/her return to school. For example, if a student is absent for several days and returns to school on a Wednesday, he/she will have until the following Wednesday to complete and turn in the missed assignments.
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 - Assignments two (2) days late will receive a grade of 70 if the assignment is completed correctly.

- Assignments three (3) days late will receive a grade of 65 if the assignment is completed correctly.

Please realize that if the assignment is late and not completed correctly that your grade will be even lower than those given above.

STRATEGIES FOR SUCCESS IN CONSTRUCTION I: These are some helpful tips that if you often will make your year in Construction I a successful one.

- Use time wisely.
- Begin assignments in a timely manner to make sure the assignments are completed by the due date.
- Ask questions when you do not understand.
- Keep necessary school/classroom supplies.
- Complete ALL assignments given by the teacher.

PACING GUIDES: The chart below gives you information on what units will be taught in class. The charts also give you the major assignments for each unit. If you use this chart wisely, you will be on target with your class work.

Unit	Title	Assignments
10	Orientation (Review and Reinforcement)	Essay on Building Trade I information
11	Basic Safety (Review and Reinforcement)	Operate fire extinguisher, ladder use, hand and power tool operation
12	Construction Math	Layout foundation for model building using math skills
13	Introduction to Materials Used in Construction	Estimate material to construct model building
14	Footing, Foundation, and Floor Framing	Calculate material and layout foundation and floor system for a building
15	Wall, Ceiling, and Roof Framing	Construct walls, ceilings joist, and roof framing
16	Windows, Doors, and Stairs	Install windows, doors and cut out stair stringers

STUDENT ORGANIZATION: Students enrolled in Carpentry are encouraged to join Skills USA. Skills USA provides students with experiences in leadership, teamwork, citizenship and character development. It emphasizes total quality at work, high ethical standards, superior work skills, life-long education, and pride in the dignity of work. Skills USA also promotes understanding of the free-enterprise system and involvement in community service.

CHANGE OF CLOTHING: While this is not a requirement, it is recommended that you bring a change of clothing for lab work.

CPAS: All students will be required to take this exam during the fourth nine weeks. Scores from this exam will count as your fourth nine weeks exam, 25% of your fourth nine weeks grade.

CERTIFICATE OF COMPLETION: Second year students who successfully complete 720 hours of training, including classroom and lab exercises, and who receive a passing score of 60 on the state mandated CPAS exam for the first and second year combined will receive a certificate of completion.