



Introduction to Construction & TT

Course Description: Do you enjoy planning, designing, and building? Perhaps you are interested in working with your hands and using basic tools and equipment? In this course, you will have the opportunity to learn how to read and develop blueprints for construction projects, explore technical trades such as CADD, framing, survey and cost estimation, electrical planning, plumbing and HVAC, finish work, basic welding, and help design and build a simple structure.

Attendance: Students are required to be in school every day. Students are responsible for communicating with their teachers to make up missed learning.

Essential Skills:

1. Students will learn proper tool usage and safety for them self and others.
2. Students will learn to teamwork with all students in the class not just their friends, and Leadership of the students' peers and classmates.
3. Students will learn the terms and tools used on a construction site and gain some level of formality with both.
4. Students will be presented with complex problem-solving witch will take all students to a level of understanding of the fact that their decisions have an outcome.

Course Expectations: Although not everything is graded, everything is important. In order to demonstrate growth and learning, students will need to:

1. Participate in class activities (take notes, work in a group, complete in class tasks, ask questions) without distractions (cell phones, games, etc.)
2. Use morning time and teacher to seek help outside of class when needed.
3. Complete all assessments within teacher timelines.

Grading

Learning (Practice) includes instructional activities in and outside of class and are not used in grade determination.

Skyward Assessment (Grades) may include quizzes, labs, learning checks, tests, speeches, performances, and projects.

Calculations:

Semester Grade	
Semester Grade	Points
Semester Exam	Points

Final Grade	
Semester 1	50%
Semester 2	50%

Final Grade	
A	100% - 90%
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	0% - 59%

Central High School Courses:

- Will determine grades based on student learning and growth.
- Will not include practice and behavior in grade determination.
- Will give all students regardless of absence an opportunity to demonstrate learning.
- Will not include extra credit.

Instructional Resources: Canvas, YouTube, Building Skills - Paxton Patterson, and Construction Technology

Course Calendar/Pacing: Course Calendar/Pacing Guide is a little different for this class because if the weather is good we will be moving projects around to work outside well we can. But what follows is a list of the units that we will cover this year in the class.

- Career Opportunities in the Construction Industry
- Safety, personal and jobsite
- Basic Math Skills
- Common Materials used in building
- Hand, power and pneumatic tool use
- Operators/ Mechanics
- CAD Blueprint reading
- Transportation, Distribution, & Logistics
- Residential and Commercial Carpentry
- Electrical
- Plumbing & HVAC/R

<p style="text-align: center;">August/September</p> <table border="1"> <tr><td></td><td></td><td>30</td><td>31</td><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td></tr> <tr><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td></tr> <tr><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td></td></tr> </table>			30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		<p style="text-align: center;">October</p> <table border="1"> <tr><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td></tr> <tr><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td></tr> <tr><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td></tr> <tr><td>30</td><td>31</td><td></td><td></td><td></td><td></td><td></td></tr> </table>	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						<p style="text-align: center;">November</p> <table border="1"> <tr><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr> <tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr> <tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr> <tr><td>27</td><td>28</td><td>29</td><td>30</td><td></td><td></td><td></td></tr> </table>			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
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