

DESIGN & BUILD: COURSE OVERVIEW

TITLE OF COURSE	<u>Design & Build</u>
TEACHER'S NAME	<i>Mr. Demick and Mr. Tkaczyk</i>
Course Information	Grades: 9-12 th Hour: 5 th Room: 536/538 Duration: All year, one credit
Teacher Information	Direct Phone No.: Tkaczyk: 591-5460; Demick: 591-5461 E-mail Addresses: gdemick@carmanainsworth.org , and jtkaczyk@carmanainsworth.org
Course Description and Overview of Content	This entry-level class in drafting explores and develops skills for a career in design, engineering, architecture, woodworking, and CNC programming. The course is delivered in both manual drafting and CAD (computer-aided drafting) environments.
Course Goal/ Intended Outcomes	This course covers topics such as the following: <ul style="list-style-type: none"> ▪ <u>Multiview Drawing: Orthographics, Sectioning, Auxiliary, etc.</u> ▪ <u>Fundamental Manual and CAD Drafting Skills</u> ▪ <u>Fundamental Machine and Tool Uses</u> ▪ <u>Beginning Blueprint Reading</u> ▪ <u>Basic CNC (Computer Numerical Control) Operation</u>
Texts and Materials	<p>Texts: <i>Mechanical Drawing: Board and CAD Techniques; Modern Woodworking.</i></p> <p>Materials needed: One two-inch, 3-ring binder to be used as a portfolio; pens and pencils. Drafting kits will be issued to each student at the beginning of the year. Each kit includes a price list of the tools in the kit. Each student is financially responsible for his or her kit. That is, <u>you will be charged for each piece of equipment that has been damaged (as determined by the instructor) or lost.</u> You must treat the equipment with care.</p>
Format and Activities	<p>Teacher will: Lecture, lead whole class discussions, facilitate small and large group activities, assign drawings, provide one-on-one assistance on class-work, administer appropriate assessments, and assign grades.</p> <p>Students will: Take thorough notes, work independently and collaboratively to complete projects on time, and ask questions to clarify understanding of material.</p>

Grade Calculation	<p><u>Semester Grade:</u> Semester grades will be calculated using the following weights:</p> <p style="text-align: center;"><u>10%</u> <u>Class Participation / Work Ethic</u> <u>80%</u> <u>Drawings / Projects / Assignments / Assessments</u> <u>10%</u> <u>Semester Exam</u></p> <p>Interim grades are a reflection of the student’s semester grade to date. Students’ grades are comprised of 50% Woods and 50% Drafting.</p> <p><u>Grading Scale:</u> The grading scale for will be as follows:</p> <table><tr><td>A</td><td>100%-93%</td><td>C</td><td>76-73</td></tr><tr><td>A-</td><td>92-90</td><td>C-</td><td>72-70</td></tr><tr><td>B+</td><td>89-87</td><td>D+</td><td>69-67</td></tr><tr><td>B</td><td>86-83</td><td>D</td><td>66-63</td></tr><tr><td>B-</td><td>82-80</td><td>D-</td><td>62-60</td></tr><tr><td>C+</td><td>79-77</td><td>E</td><td>Below 60</td></tr></table> <p>Late work will receive partial or no credit.</p>	A	100%-93%	C	76-73	A-	92-90	C-	72-70	B+	89-87	D+	69-67	B	86-83	D	66-63	B-	82-80	D-	62-60	C+	79-77	E	Below 60
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Attendance/ Tardiness	<p>Regular class attendance and participation is the key to learning and being successful in drafting.</p> <p><u>ABSENCES:</u> See the Student Handbook for details.</p> <p><u>TARDIES:</u> See the Student Handbook for details.</p>																								
Classroom Rules and Procedures	<ul style="list-style-type: none">• <u>All school rules from the student handbook apply in this classroom.</u>• Be responsible. (Bring your materials, do your work, study!)• Be polite, respectful, and tolerant of others <i>and</i> the equipment.• <u>No food or drinks are allowed</u>, they are to be consumed in the cafeteria or commons only.• Get enough sleep at home, so that you are well rested and can stay awake in class.• Stay in your seat until the bell rings. Lining up at the door is not permitted.• Students are responsible for collecting makeup work from the teacher when absent. In the event that quizzes or tests are missed, <u>they MUST be made up before/after school within one week (only if absence is excused).</u>• When entering the classroom, immediately and quietly get your equipment and begin working on the current project.• Students who have missed class are to check the drawing list in Synergy or Google Classroom.• Behave like mature students, respecting everyone and all equipment. Immature, improper, and disrespectful behavior will result in a phone call home, detention, or referral to the office.• Other procedures—such as asking for help, turning in homework, leaving one’s seat, seating arrangements, group work, etc.—will be																								

	discussed in class and are expected to be followed.
Academic Integrity	Although students are strongly encouraged to help each other with drawing projects, all students must ultimately do their own work. Cheating or copying another student's work will not be tolerated. Any deviation from this will result in loss of credit for the particular work for both parties involved and a referral to the office for disciplinary action.
Other Comments	<p><u>COMMUNICATION:</u></p> <p>Parents should check StudentVUE regularly.</p> <p>Feel free to contact me with any questions/comments or if you have any concerns about your child. Please leave a number where I can reach you both during the day and in the evening.</p> <p>Please keep in mind that it is the <u>student's responsibility</u> to make the most of his or her education. Students, parents, and teachers must work <u>together</u> to make this the best experience possible.</p>
Receipt by Parent or Guardian / Contact Information	Thank you for reading the course overview. Students should not hesitate to ask Mr. Demick or Mr. Tkaczyk for assistance if they have questions.