

## STUDY QUESTIONS — STEP 1

Name Jimmy Wang

1. List all of the courses that are part of the Technical Drawing Program at Stevenson High School: (Use abbreviations)

Current Courses
TEC 191/192 <u>Intro. To Tech Draw</u>
TEC 221/222 <u>Architecture CAD</u>
TEC 201/202 Engineering CAD
TEC 231/232 <u>Adv. Architecture</u>
TEC 211/212 <u>Adv. Engineering</u>
TEC 521/522 Adv. CAD
..... <u>Architecture</u>
..... <u>Engineering</u>
TEC 541/542 Adv. CAD 2
..... <u>Architecture</u>
..... <u>Engineering</u>
TEC 571/572 <u>Engineering Graphics Acc.</u>
Summer School - Education to Careers
<u>Architecture &amp; Engineering</u>

2. List the TWO courses that can be taken after completing the Introduction to Technical Drawing course?

TEC 221/222 <u>Architecture CAD</u>
TEC 201/202 Engineering CAD

3. List the six units by name that is required of all students during the semester of Introduction to

<i>Unit 1_ Introduction to Technical Drawing/CAD</i>
<i>Unit 2_ Lettering Styles, Tools &amp; Techniques</i>
<i>Unit 3_ The Design Process for Solving Problems</i>
<i>Unit 4_ Sketching &amp; Orthographic Projection</i>
<i><u>Unit 5 - Drawing Equipment, Tools &amp; Supplies</u></i>
<i><u>Unit 6 - Interpretation, Assembly &amp; Prototyping</u></i>

Technical Drawing:

4. What is Technical Drawing?

Technical drawing is the study of the procedures, tools, supplies, skills and techniques used to record and communicate the shape and size of a product. Every product we have today (cars, houses, beds, tables, chairs, desks, appliances, tools, packages, clothing, toys, dishes, radios, CD players, video games, roads, bridges, airplanes, ships, buses, computers, telephones, fax machines, copiers, air-conditioners, heaters, light bulbs, keys, etc.) began as an "idea" in some person's head. Before these "ideas" became products, they had to be drawn on paper. These "drawings" had to show what the "idea" looked like from different directions (top, front and right side views); how long, wide and high the object was; what materials were needed to make the object and what the product was called (model name and number).

5. List five (5) industries (i.e. aerospace) that use Technical Drawings? TRACERS, DRAFTERS and DETAILERS, TECHNICIANS, PRODUCT ENGINEERS, and CHECKER

7. What is the purpose of the "Information Sheet"? Gives objectives, references and the assignments

8. What is the purpose of the "Study Questions"? The "Study Questions" pertain to the most important bits of information that you will need to know when working on assignments; and most of these questions will appear on the "Unit Achievement Test" at the end of each "Step". "Study Questions" will be collected on specified days and are graded on neatness, spelling, completeness, and the number of correct answers.

9. What is the purpose of a "Division Sheet"? The "Division Sheet" will provide you with opportunities to practice organizational, lettering, and sketching skills as well as serve as an "Indexing Page" for organizing your notebook.

10. What is the purpose of the "Assignments"?

To make sure that you have learned something from the lesson

11. What is the purpose of "Optional Activities (Extra Credit)"?

For extra points if you have done badly on a different assignment

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Technology Education Department Introduction to Technical Drawing or

12. What is the purpose of "Achievement Tests"? The "Achievement Test" will indicate what you have learned and what you need to work on to be successful on future assignments.

13. What is the purpose of a "Portfolio"? Keeps and organizes my work

14. What is the purpose of "Open Lab Time"? Allow you to work on the things you need to finish and catch up on

15. How are your "Drawing Assignments" evaluated? Neatness, completion and accuracy

16. How is your "Homework" evaluated?

A+ (25) Assignment is very well done; neat and clearly lettered; A (24) and complete with very minor or no revisions needed. A- (23) Student's work meets all of the objectives for the assignment. B+ (22) Assignment is well done; uniformly lettered; B (21) and complete with one to three revisions needed. B- (20) Student's work meets almost all of the objectives for the assignment. C+ (19) Assignment is done; neatness or lettering needs to be improved; C (18) and/or four to six revisions are needed. C- (17) Student's work meets most all of the objectives for the assignment. D+ (16) Assignment is incomplete; neatness and lettering needs to be improved; D (15) and/or seven or more revisions are needed. D- (14) Student's work meets half of the objectives for the assignment. F (0) Assignment is not turned in.

17. How is your "Notebook" evaluated? Neatness, completion and accuracy

18. Describe "W.H.A.T." and explain how it influences your six-week grade: (Work Habits, Attitude, Attendance, Tardiness, and Trustworthiness) grade will be based on the following characteristics that you demonstrate

While in a Tech Ed class. These observable traits should accumulate as you progress through the semester.

19. List the FIVE criteria and percentages used to calculate Six Week Grades: Your SIX WEEKS GRADE is based on FIVE criteria: 10% of grade - Points on Home Work Assignments 50% of grade - Points on Drawing Assignments 20% of grade - Points on Unit Tests 10% of grade - Points on Notebook 10% of grade - Points on W.H.A.T.

20. Why are clean-up procedures necessary? To keep the class clean and organized

21. What is the title of your Technical Drawing textbook and who are the authors? Drafting in a computer age and the author are Wallach and Chowenhill