

## STUDY QUESTIONS — STEP 1

Name- Jorge Abascal (Per 1)

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 are required of all students during the semester of Introduction to Technical Drawing

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

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).

Architects, engineers, designers, drafters, CAD operators and illustrators make "assembly and detail drawings" so carpenters, machinists, electricians, welders and other tradesmen can make products. These technical drawings form a "universal" graphic language using pictures (views) and numbers (dimensions) that should be understood (readable) by anyone regardless of the language they speak.

5. List five (5) industries (i.e. aerospace) that use Technical Drawings?

<u>Aerospace</u>	<u>Aviation</u>	<u>Automotive</u>
<u>Packaging</u>	<u>Construction</u>	

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

8. What is the purpose of the "Study Questions"? Gets you familiar with the website and gives you some background information

9. What is the purpose of a "Division Sheet"? 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"? Tests skills

11. What is the purpose of "Optional Activities (Extra Credit"? Extra assignments or make up work

12. What is the purpose of "Achievement Tests"? To keep track of what you have learned

13. What is the purpose of a "Portfolio"? To organize and keep track of my work

14. What is the purpose of "Open Lab Time"? Study hall to make up work

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

16. How is your "Homework" evaluated? Neatness, completeness, and accuracy

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

18. Describe "W.H.A.T." and explain how it influences your six week grade: **Your W.H.A.T. (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:

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? Put everything away and wipe tables

21. What is the title of your Technical Drawing textbook and who are the authors?

*Drafting in a Computer Age* –by Paul Ross Wallach and Dean Chowenhill