

STUDY QUESTIONS — STEP 1

Name **Patrick Austin (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	Intro. to Tech Draw
TEC 221/222	Architecture CAD
TEC 201/202	Engineering CAD
TEC 231/232	Adv. Architecture
TEC 211/212	Adv. Engineering
TEC 521/522	Adv. CAD Architecture Engineering
TEC 541/542	Adv. CAD 2 Architecture Engineering
TEC 571/572	Engineering Graphics Acc.
Summer School - Education to Careers Architecture & Engineering	

2. List the TWO courses that can be taken after completing the Introduction to Technical Drawing course? **TEC 221/222 [Architecture CAD](#) TEC 201/202 [Engineering CAD](#)**
3. List the six units by name that is required of all students during the semester of Introduction to

Technical Drawing:

[Unit 1 - Introduction to Technical Drawing/CAD](#)

[Unit 2 - Lettering Styles, Tools & Techniques](#)

[Unit 3 - The Design Process for Solving Problems](#)

[Unit 4 - Sketching & Orthographic Projection](#)

[Unit 5 - Drawing Equipment, Tools & Supplies](#)

[Unit 6 - Interpretation, Assembly & Prototyping](#)

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?

Packaging, Construction, Manufacturing, Communications, and Furnishing

7. What is the purpose of the "Information Sheet"?

Gives objectives, references, and 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 test skills we have learned.

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

Optional activities are for the student who works at a faster rate and is interested in a more in-depth understanding of the topic.

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 an "Online Portfolio"?

To keep and organize my work.

14. What is the purpose of "Open Lab Time"?

To give extra time to work on 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?

Neatness, accuracy, and completeness.

17. How is your "Online Portfolio" evaluated?

Neatness, completion, 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.

INDEPENDENT LEARNER (25-23)

Eager to work, Self-motivated, Assists other students, Volunteers for jobs

Strives for excellence in work, Does research on problems

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?

To clean up the lab and put away projects.

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

Drafting in a computer age. Authors: Wallach and Chowenhill.

