

STUDY QUESTIONS — STEP 1

Name: Jessica Kim (period 1)

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

<u>Current Courses</u>
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

- List the TWO courses that can be taken after completing the Introduction to Technical Drawing course?
[Architecture CAD](#), [Engineering CAD](#)

- List the six units by name that are 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](#)

- 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).

- List five (5) industries (i.e. aerospace) that use Technical Drawings?
[Aviation](#), [Automotive](#), [Packaging](#), [Construction](#), [Furnishings](#)

- What is the purpose of the "Information Sheet"?
The "Information Sheet" outlines the unit of study and provides you with "Objectives", "References", and "Assignments".

- 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".

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"?
Study Questions and Division Sheets are part of the "Assignments".
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 a record of my work.
14. What is the purpose of "Open Lab Time"?
Any Technical Drawing student may use the facilities and that an instructor is available to answer questions.
15. How are your "Drawing Assignments" evaluated?
25 or multiples of 25 points each, graded on neatness accuracy, and completeness.
16. How is your "Homework" evaluated?
25 or multiples of 25 points each, graded on neatness accuracy, and completeness.
17. How is your "Notebook" evaluated?
NOTEBOOK will be evaluated on the completeness and organization of the contents.
18. Describe "W.H.A.T." and explain how it influences your six week grade:
Work Habits, Attitude, Attendance, Tardiness, and Trustworthiness
W.H.A.T. grade represents 10% of your 6-week grade based on 25 points.
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 keep the lab clean.
21. What is the title of your Technical Drawing textbook and who are the authors?
Drafting into Computer Age, Wallach Chowenhill