

STUDY QUESTIONS — STEP 1

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

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?
aviation _____
automotive _____
furnishings _____ apparel _____
national defense _____

7. What is the purpose of the "Information Sheet"? [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](#)

8. What is the purpose of the "Study Questions"?

9. What is the purpose of a "Division Sheet"?
practice lettering and sketching
skills _____

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

11. What is the purpose of "Optional Activities (Extra Credit)"?
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Technology Education Department Introduction to Technical Drawing or

12. What is the purpose of "Achievement Tests"?

13. What is the purpose of a "Notebook"?

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

15. How are your "Drawing Assignments" evaluated?

16. How is your "Homework" evaluated?

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17. How is your "Notebook" evaluated?

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

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19. List the FIVE criteria and percentages used to calculate Six Week Grades:

_____	- _____%	_____	- _____%
_____	- _____%	_____	- _____%
_____	- _____%		

20. Why are clean-up procedures necessary?

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

— _____

Name _____

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