

# STUDY QUESTIONS — STEP 1

Name \_\_\_\_\_

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

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

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

**Engineering CAD\_**

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

- Intro to Tech Drawing/CAD**
- Lettering Styles, Tools and Techniques**
- The Design Process for Solving Problems**
- Sketching and Orthographic Projection**
- Drawing Equipment, Tools and Supplies**
- Interpretation, Assembly and 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?

**Aerospace**

**Aviation**

**Automotive**

**Packaging**

**Manufacturing**

**Energy**

**National Defense**

7. What is the purpose of the "Information Sheet"? **The "Information Sheet" outlines the unit of study and provides you with "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".**

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"? **Most of these questions will appear on the "Unit Achievement Test" at the end of each "Step"**

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 a "Notebook"? **To stay organized and on Task**

14. What is the purpose of "Open Lab Time"? **To complete tasks that you did not previously finish in class.**

15. How are your "Drawing Assignments" evaluated? **When all corrections are completed, prepare the final "Drawing Assignment" and turn it in on the due date specified.**

16. How is your "Homework" evaluated? **The list of "Objectives" is arranged in a sequential order and indicate the activities you will be doing in the unit. These same "Objectives" will be used to evaluate your homework and drawing activities.**

17. How is your "Notebook" evaluated? **Similar to homework and objectives**
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. Your 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 running quickly and productively for all students and teachers.**
21. What is the title of your Technical Drawing textbook and who are the authors  
**No textbook**