

TECHNOLOGY AND DIGITAL MEDIA
3D DESIGN

MS. SHOCKENCY-RUSSELL'S CLASS

WRITE YOUR RESPONSES NEATLY LEGIBLY ON A SEPARATE SHEET OF PAPER. USE COMPLETE SENTENCES. INCOMPLETE SENTENCES WILL RECEIVE NO CREDIT.

1. Name four industries that are “fueled” by 3D graphics and design.
2. 3D modeling is equal parts of the following:
3. What purpose do 3D files serve?
4. What are the two main types of 3D models?
5. Using your own words, describe the difference between the two main types of 3D models.
6. How is 3D modeling different from 3D graphics and rendering?
7. Why is it important to consider file resolution when creating 3D models?
8. What is a prototype?
9. How is 3D modeling used?
10. What is an input?
11. What is an output?
12. What is the common file type associated with CAD files?
13. Describe how a 3D printer brings an STL file to life?
14. How many axes do 3D objects have?
15. What do these axes indicate?
16. What are the coordinate letters associated with these axes?
17. What does CAD stand for?
18. What are some techniques and processes that 3D artists use to bring a vision to life on the screen?
19. Name 3 software programs that can be used for CAD
20. Write a two paragraph summary of the article.