

Technologies: New and Emerging

SAP – 10/8/2013

Focus:

- Related to Computer-Aided Design

Required:

1. [Search](#) – Individual Assignment
 - Find 6 pieces of Information.
2. Summarize
 - Organize
 - Explain: Important Facts and Conclusions (One paragraph for each item)

Where to start:

1. [Emerging Technologies](#). (i.e. Cloud Computing, Direct Modeling)
 - ["The Rules"](#) - When dealing with technologies
2. 3D Scanning (Search for options / possibilities)
 - a. www.nextengine.com
 - b. <http://www.youtube.com/watch?NR=1&v=LaxbiOrG8N0>
3. Design / Analysis using CAD (specifically look for design, analysis, and simulation capabilities)
 - a. www.autodesk.com (labs)
 - b. www.solidworks.com
 - c. www.ptc.com
 - d. <http://www.rhino3d.com/>
 - e. www.ironcad.com
4. Prototype / validate
 - a. Rapid Prototype / 3D Printing
 - i. www.dimensionprinting.com
 - ii. <http://www.youtube.com/watch?v=1Bc0Qdb4k1M>
 - iii. http://www.nytimes.com/2010/09/14/technology/14print.html?_r=1&src=me&ref=general
 - b. CAD / CAM
 - i. www.mastercam.com
 - ii. Other
5. Reverse Engineering

Other Sources:

- Search Engine: www.Globalspec.com, Bing, Google, etc.
- Journals: www.cgw.com, etc.
- Papers / Magazines: www.wsj.com, www.nyt.com, Forbes, Fast Company, Wired, etc
- General: www.wikipedia.org, www.Ask.com, www.Youtube.com

Note: This is a short list of possibilities. There are many more items / topics to include. You should not just search these given items. Include / find additional related information.