**Student worksheet**

**How to prepare a model for 3D printing**

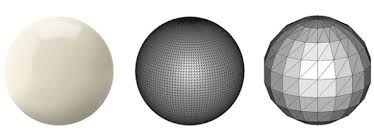
1. Why do 3D CAD files need to be exported as an STL file?
2. Write a definition for each of these terms;

**Infill -**

**Layer Height -**

**Raft -**

1. Referring to the image below can you explain the concept of an ST file. Also, what does STL stand for?



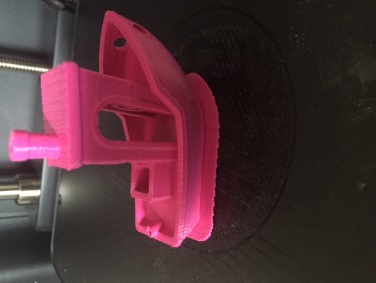
https://all3dp.com/what-is-stl-file-format-extension-3d-printing/

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1. Explain why it is important to have the correct infill setting in a model when 3D printing?

https://all3dp.com/what-is-stl-file-format-extension-3d-printing/



1. Explain why can rafts be important when 3D printing?

**Plenary – What have you learnt today?**

**Can you summarise todays learning?**