Tips and requirements—

- If you would like to print 2 or 3 different materials in one object each material must be created as a separate file, then the entire body is exported as an 'assembly'.
- If one part of a model is imbedded inside another part, you must do a boolean subtraction. This leaves the part that encases the other with a 'hole' in the shape of the encased part.

Understand and fix common .STL file errors—

https://www.3dhubs.com/knowledge-base/fixing-most-common-stl-file-errors

Repair corrupt file:

Mircosoft's free online repair service--

https://tools3d.azurewebsites.net/

Autodesk's free online repair service--

https://service.netfabb.com/