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| Learning Goal 1 | Learning Goal 2 | Learning Goal 3 | Learning Goal 4 | Learning Goal 5 | Learning Goal 6 | Learning Goal 7 |
| 4 points  Student did not design a 2D object/ornament to be printed. | 4 Points  Student did not place their illustrator design onto Photoshop. | 4 Points  Student did not convert 2D image into a 3D image. | 4 Points  Student did not save 3D image as an STL file. | 4 Points  Student did not print 3D image. | 4 Points  Student did not challenge themselves while creating their design. | 4 Points  Student is missing 3 or more steps in the design process on their presentation. |
| 5-6 points  Student designed a 2D object/ornament of their choosing on Illustrator but did not turn 2D image in. | 5-6 points  Student placed their Illustrator design into Adobe Photoshop, but it had two errors. | 5-6 points  Student attempted to convert image into 3D image, but encountered 2 errors. | 5-6 points  Student attempted to save 3D image to an STL file, but had two errors. | 5-6 points  Student attempted to print 3D image, but encountered errors. | 5-6 points  Student somewhat challenged them self while designing their 2D design and converting it to a 3D design. | 5-6 points  Student is missing 2 steps in the design process on their presentation. |
| 7-8 points  Student designed a 2D object/ornament on Illustrator, but their design had errors. | 7-8 Points  Student placed their Illustrator design into Adobe Photoshop, but it had one error. | 7-8 Points  Students attempted to convert image into 3D image, but had one error. | 7-8 Points  Student attempted to save 3D image as an STL file, but had one error. | 7-8 Points  Student printed STL file using the 3D Printer, but it had one printing error. | 7-8 Points  Students mostly challenged them self while designing their 2D design and converting it to a 3D design. | 7-8 Points  Student included most of the design process steps, but was missing one step. |
| 9-10 points  Student has designed a 2D object/ornament of their choosing in Adobe Illustrator | 9-10 Points  Student has placed their Illustrator design into Adobe Photoshop | 9-10 Points  Student converted their 2D Image into a 3D image | 9-10 Points  Student exported their 3D image into an STL File | 9-10 Points  Student printed their STL file using the 3D printers. | 9-10 Points  Student challenged them self while designing a 2D design and converting it to a 3D Design. | 9-10 Points  Student created a presentation that documents their design process and 3D printing steps. Must include photo of finished project. |