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