*Norwich Technical High School - Electronics Technology Date Updated:* 

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**TITLE: How to operate the 3D45 Printer**

**APPROVALS:**

**Author: Ayden Carrasco Date: 12/19/2023**

**Review: Date:**

1. **Revision History:**

|  |  |  |  |
| --- | --- | --- | --- |
| **NAME** | **REV** | **DATE** | **SUMMARY OF CHANGES** |
| **Ayden Carrasco** | **A** | **12/19/2023** | **Initial Release** |
|  |  |  |  |

1. **Purpose:**
   1. To provide an instruction sheet on the 3D45 Dremel DigiLab printer
2. **Safety:**
   1. Do not touch nozzle/bed after heating
3. **Materials:**

* Dremel Filament
* Scraper
* Flash drive
* 3D Print files
* Glue stick
* Dremel DigiLab Slicer Program

1. **Procedure:**

|  |  |  |
| --- | --- | --- |
| **Step** | **Procedure** | **Picture** |
|  | **Find and install 3D print files** |  |
|  | **Slice files in Dremel DigiLab software** |  |
|  | **Transfer files onto flash drive and plug into 3D45 printer** |  |
|  | **Turn on printer** |  |
|  | **Hit build** |  |
|  | **Open zip file** |  |
|  | **Find and select your gcode file** |  |
|  | **Hit build** |  |
|  | **Wait for printer to auto calibrate/preheat** |  |
|  | **Apply glue to platform at roughly 10% before heating is complete** |  |
|  | **After print is complete, pry of with scraper** |  |