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

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**TITLE: How to use the 3D Printer**

**APPROVALS:**

**Author: Elijah Wisti Date: 12/19/2023**

**Review: Date:**

1. **Revision History:**

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

1. **Purpose:** 
   1. To create physical objects from digital designs.
2. **Safety:**
   1. Do not touch the nozzle/bed after the preheat
3. **Materials:**

* Filament
* Scraper
* Flash drive
* 3D Print Files
* Glue Stick
* Dremel Digilab Splicer Program

1. **Procedure:**

| **Step** | **Procedure** | **Picture** |
| --- | --- | --- |
|  | **Find 3D print files online or create your own model** |  |
|  | **Splice files in Dremel Diginal software** |  |
|  | **Transfer files to a flash drive and plug in the drive into 3D45 printer** |  |
|  | **Turn on printer** |  |
|  | **Press “build”** |  |
|  | **Open zipfile** |  |
|  | **Find and select your file** |  |
|  | **Press “build” again** |  |
|  | **Wait for the printer to auto-calibrate/preheat** |  |
|  | **Apply glue to the bed at about 170 degrees before the heating is complete** |  |
|  | **After the print is done, pry off the model with scraper** |  |