Text-Based Programming

*Beginner Grades 3-5 – This option is not available.*

Intermediate Grades 6-8:

Create a text-based program of your choosing using any text-based language you are comfortable in. The code should demonstrate an understanding of at least 4 of these skills:

* **Commenting**
* **Correct syntax**
* **Variables**
* **Loops**
* **Conditionals**
* **User Input**
* **Lists**
* **Functions**
* **Algorithms**
* **Any other similar skill**

Advanced Grades 9-12:

Create a text-based program of your choosing using any text-based language you are comfortable in. The code should demonstrate an understanding of at least 8 of these skills:

* **A more robust understanding of the intermediate skills**
* **Interact with databases**
* **Classes**
* **Objects**
* **Methods**
* **Inheritance**
* **Integrate multiple languages into one program**
* **Any other similar skill**