



Learning Journey: Year 8 Computing

Final Projected Grade last year:

I am happy/unhappy with my final projected grade from last year because ...

To continue to improve my projected grade I need to focus on the habit of _____ by ...

Term 1a: Computing Systems

- What is the difference between general purpose and purpose built devices?
- What components are inside a computer, how do they work together and what are logic circuits?
- What is an operating system?

Term 1b: Computer Networks

- What are networks and protocols?
- What components do we need for networks?
- What are the differences between wired and wireless networks?
- Where does the Internet fit in to networks?

Term 1: How far have I demonstrated the Habits?

Hardworking: ____/5

Inquisitive: ____/5

Resilient: ____/5

Respectful: ____/5

Responsible: ____/5

Aspirational: ____/5

Next term I will focus on _____ by ...

TA1 Projected Grade:

Term 2a: Introduction to Python Programming

- What is coding and how do we get started?
- How can programs carry out calculations for us using sequences of instructions?
- What is selection and how might we use it?
- How can iteration be used to repeat blocks of code?

Term 2b: Data Representation

- What do we mean by data representation?
- How can data be communicated between computers using just electricity?
- What is binary?
- How do we measure file sizes of files when saved as binary in computer systems?

Term 2: How far have I demonstrated the Habits?

Hardworking: ____/5

Inquisitive: ____/5

Resilient: ____/5

Respectful: ____/5

Responsible: ____/5

Aspirational: ____/5

Next term I will focus on _____ by ...

TA2 Projected Grade:

Term 3a: Modelling Data Using Spreadsheets

- What is a spreadsheet and what can we do using spreadsheet editors?
- What are cell references and how can I use them to create formulas?
- How can I collect data and turn this into information?

Term 3b: Media and Animations

- What is 3D Modelling and how is it used?
- How is a 3D model created?
- How can key frames be used for animation?
- What is rendering and how is it carried out?

Term 3: How far have I demonstrated the Habits?

Hardworking: ____/5

Inquisitive: ____/5

Resilient: ____/5

Respectful: ____/5

Responsible: ____/5

Aspirational: ____/5

Next year I will focus on _____ by ...

Final Projected Grade:

Careers:

The career that interests me is ...

METG

Computing will help me achieve this because ...



**Hard working
Inquisitive
Resilient**



**Respectful
Responsible
Aspirational**