Jerry Clay Academy
Subject Knowledge Organiser

Subject: Computing   Year Group: 5 Term: Spring 2

Core Learning of This Unit: We are web developers

- The name and function of components making up the school's network
- How information is passed between the components that make up the Internet
- What the source code for a web page looks like and how it can be edited
- How a website can be structured
- How to add content to a web page.

Prior Learning:

- We are game developers

- We are cryptographers

- We are architects

National Curriculum Statements:

- Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals.
- use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact
- understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration
- Be discerning in evaluating digital content

Key Vocabulary:

- Creative commons
- Hyperlinks
- Hypertext mark-up language (HTML)
- Hypertext transfer protocol (HTTP)
- Internet
- Internet protocol (IP) address
- Network switch
- Packs of data
- Protocol
- Tag
- Unform resource locator (URL)
- Web browser
- Web server
- World wide web

Significant People

- **Bill Gates – developed Microsoft windows**
- **Larry Page – developed google search**