

Reading List:

Resource	Description
W3Schools Python	W3Schools is an online resource for learning about coding languages. Use this link to visit the Python section and work through the individual sections. It includes an online editor that lets you write and run python code in your web browser.
W3Schools HTML & CSS	Use this link to visit the Python section and work through the individual sections. It includes an online editor that lets you write and display HTML and CSS in your web browser.
PyCharm	PyCharm is a program used for writing Python coding. You will be using PyCharm when you study Python with us, so you should download the program and familiarise yourself with it.
Python Documentation	This is the official website for all of the different features and functions in Python
Exercism	This is an online platform with guided exercises to help you learn many different programming languages
GitHub	This is online version control platform that programmers use in the software development industry to collaborate with others and save their work securely

Tasks

W3Schools Python

Link

<https://www.w3schools.com/python/>

What is it?

W3Schools is an online resource for learning about coding languages. It includes an online editor that lets you write and run python code in your web browser.

What you need to do

1. Use this link to visit the Python section and work through the individual sections
2. You should focus on:
 - Getting Started
 - Syntax
 - Output
 - Variables
 - Data Types
 - Numbers
 - Strings
 - Booleans
 - Operators

Exercism

Link

<https://exercism.org/>

What is it?

This is an online platform with guided exercises to help you learn many different programming languages

What you need to do

1. Create an account
2. Join the Python Track at this link: <https://exercism.org/tracks/python>
3. Complete 10 of the Learning Exercises – applying what you have learned from W3Schools
4. You will need to show your exercism account in the first week of teaching

HTML & CSS / Web Development

What is it?

HTML and CSS are languages that you will use for designing and creating web pages – they work differently to Python because they are focussed on things like layout, appearance and interactivity.

What you need to do

1. Create an HTML file and a CSS file
2. Use HTML and CSS to design and create a homepage for your own website
3. Apply what you have learned from W3Schools sections on HTML and CSS
4. You will need to show your design in the first week of teaching?

GitHub

Link

<https://github.com/>

What is it?

This is online version control platform that programmers use in the software development industry to collaborate with others and save their work securely

What you need to do

1. Create an account that you would be happy to share with employers – if you already have one, then make sure it is professional
2. Read through this guide: <https://docs.github.com/en/get-started/start-your-journey/hello-world>
3. Create a repository called Summer Task with a README file
4. Upload your HTML and CSS files to your repository
5. You will need to show your GitHub account in the first week of teaching