Documentation
python.org: The *official* website of the Python project, contains the *official* documentation at docs.python.org/3/ careful with version numbers, especially with Python 2.
https://www.tutorialspoint.com/python/index.htm: Short tutorials explaining the basic concepts of the language, in case you totally forgot how, say exceptions, work.
https://www.w3schools.com/python/: Easy-to-follow explanations of key Python concepts + short exercises.

Coding challenges
py.checkio.org: Little coding challenges that can be solved and run within the browser, helps keep your skills sharp.

rosalind.info/problems/locations/: Coding challenges specifically for bioinformatics. Sadly a bit old and not as fancy as CheckIO, but very cool nonetheless. Download problem and example files, then run on your own PC.

projecteuler.net/archives: Coding challenges relying on (not always advanced) mathematics. Good way to learn efficient and optimized coding.

Help
stackoverflow.com/: The blessed land where you find all the answers.

Basics
https://www.youtube.com/playlist?list=PL8dPuuaLjXtNlUrzyH5r6jN9ulIgZBpdo:
Crash course in Computer Science
Charles Petzold's *Code*: A book taking you from binary logic to how to build a PC and code software for it. Basically a summary of the first centuries of computing.