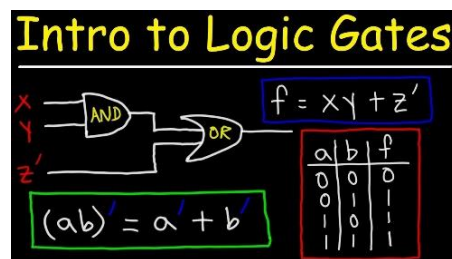


Software Design and Development

This Computer Science course is a 2 year long elective option for Years 11 and 12. If you enjoy creating or want to learn how to create user interfaces, mobile and computer programs/applications, finding out and changing how things work inside a computer, gaming or just computing in general, you should think about selecting Software Design & Development as one of your subject choices. Your learning in this course is showcased in an internally marked, student selected HSC Major Project at the end of the HSC course.



```
1 #!/usr/bin/env python
2 import sys
3 import os
4 import simpleknn
5 from bigfile import BigFile
6
7 if __name__ == "__main__":
8     trainCollection = 'toydata'
9     nimages = 2
10    feature = 'f1'
11    dim = 3
12
13    testCollection = trainCollection
14    testset = testCollection
15
16    featureDir = os.path.join(rootpath, trainCollect
17    searcher = simpleknn.load_model(os.path.join(fe
```

Software Design and development (SDD) will provide students with the knowledge and skills to solve complex problems through algorithm design and software solutions. You will explore complex problem solving, individual and collaborative work and learn to code in a range of different programming languages. This course will include project design and management skills, computational thinking and collaborative team work, all skills to enable you to be creators of your own software solutions, rather than consumers of others.

If you enjoyed studying Information & Software Technology in Years 9 and 10 you would find SDD to your liking, however it is not at all necessary for you to have studied IST.