

## Computer Science

At St Dominic's, we follow the **OCR A Level Computer Science** course.

This is '**Linear**' which means that the exams which count towards your final mark at A2 Level are as follows:

**Paper 1: 40%**

**Paper 2: 40%**

**Coursework: 20%**

We use Python almost exclusively at St. Dom's - though I'm reviewing that situation.

**Task 1: To help me, please answer the following questions:**

1. What computing language did you use at school?

.....Python.....

2. Circle the appropriate phrase to show how confident you are in the following things:  
(Feel free to mark 'not at all' as you like - you'll learn most of them in Year 1 anyway)

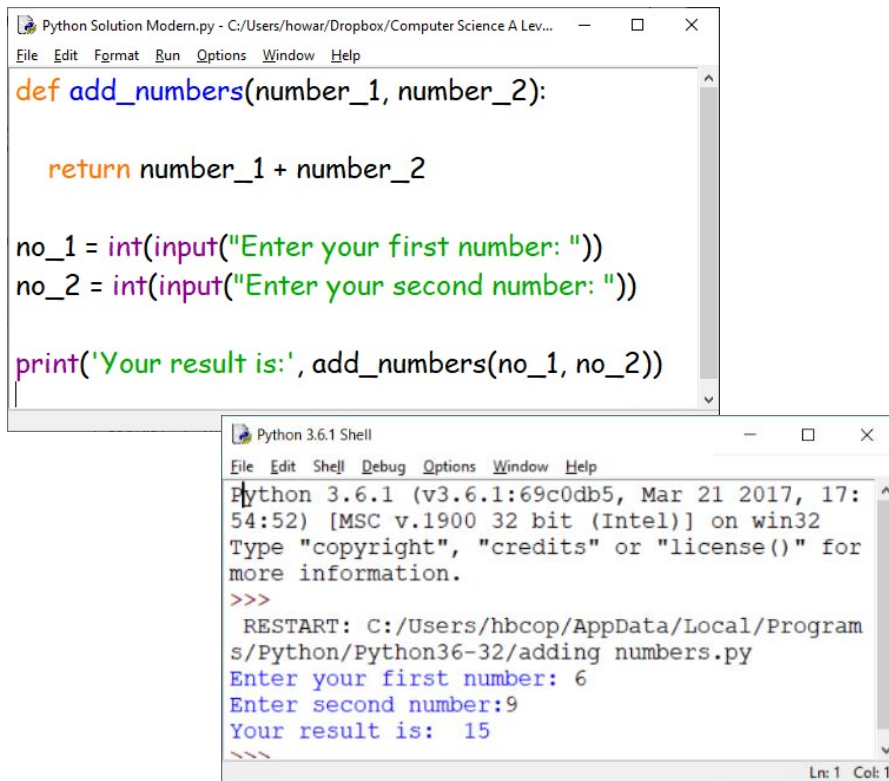
Programming in general	Not at all	OK	Amazing
Using Python	Not at all	OK	Amazing
Using Variables	Not at all	OK	Amazing
Using Loops (for x in range, while etc.)	Not at all	OK	Amazing
Using Functions / Procedures	Not at all	OK	Amazing
Using Simple Lists / Arrays	Not at all	OK	Amazing
Using 2-D Lists / Arrays	Not at all	OK	Amazing
Manipulating Strings	Not at all	OK	Amazing
OOP	Not at all	OK	Amazing
Using Files	Not at all	OK	Amazing
HTML	Not at all	OK	Amazing
CSS	Not at all	OK	Amazing
JavaScript	Not at all	OK	Amazing
Networks	Not at all	OK	Amazing

Are your Word processing skills good enough to email me a copy of this sheet with the survey on the previous page completed?

## Task 4: Presenting Programming Work

I need a listing of your code and a sample run e.g.:

Qu.1



The image shows two windows from a Python IDE. The top window, titled 'Python Solution Modern.py', contains the following code:

```
def add_numbers(number_1, number_2):  
  
    return number_1 + number_2  
  
no_1 = int(input("Enter your first number: "))  
no_2 = int(input("Enter your second number: "))  
  
print('Your result is:', add_numbers(no_1, no_2))
```

The bottom window, titled 'Python 3.6.1 Shell', shows the execution of the code:

```
Python 3.6.1 (v3.6.1:69c0db5, Mar 21 2017, 17:  
54:52) [MSC v.1900 32 bit (Intel)] on win32  
Type "copyright", "credits" or "license()" for  
more information.  
>>>  
RESTART: C:/Users/hbcp/AppData/Local/Program  
s/Python/Python36-32/adding numbers.py  
Enter your first number: 6  
Enter second number:9  
Your result is: 15  
>>>
```

Note: the above code is a reusable function that uses parameters

**If the above questions are too easy, do them anyway and show me something you have done that you are proud of!**

My email address is: [hmb@stdoms.ac.uk](mailto:hmb@stdoms.ac.uk) - any questions - just ask me

Please email me on a non-private email address: e.g.: gmail, hotmail - not your personal one

**Recommended Online Course:** the best online course I have seen (by far!) that prepares you for A Level Python programming is:

'Program Arcade Games With Python And Pygame':

<http://programarcadegames.com/index.php?lang=en>