Sets (s): N/A

YEAR 11

SUBJECT: Computer Science – LP1
Knowledge Focus: Continue with theory for U1 and complete practical tasks for U2.

Ysgol Uwchradd Prestatyn High School

This half term : Skills, Knowledge and Understanding to be developed:	**Key Terms to be learned this half term:**
Practical: Complete the pseudo code tasks in U2 and crerate VB code. **Theory**: Topic 6 – Principles of Programming, Topic 7 – Software Engineering and Topic 8 – Program construction.	Machine code, assembly code, mnemonics, Integrated Development Environment (IDE), linker, loader, trace, break point, compiler, interpreter, assembler.

Week 2 and 3 Learning Objectives etc: **Practical:** • Recap the use of Visual Basic. **Theory:** • Unit 1 Topic 6 - Principles of Programming. • What is meant by a high level language? • What is meant by a low level language?	**Objective assessments:** Practical tasks assessed. Class questions on topics covered.	**Homework:** LP1.1 Principles of programming questions CAR
Week 4 and 5 Learning Objectives etc: **Practical**: • Look at and understand the requirements of U2 paper. Complete pseudo code questions. **Theory** • Unit 1 Topic 7 – Software Engineering. • What is meant by an IDE? • Discuss the common features that are found in an IDE.	**Objective assessments:** Practical tasks assessed. Class questions on topics covered.	**Homework:** LP1.2 Software Engineering questions DJ
Week 6 and 7 Learning Objectives etc: **Practical**: • Convert pseudo code into Visual Basic **Theory** • Topic 8 – Program construction. • What is meant by the terms compiler, interpreters and assemblers? • Discuss the principle stages of the compilation process. • Discuss common errors found in programming.	**Objective assessments:** Practical tasks assessed. Class questions on topics covered.	**Homework:** LP1.3 Program construction CAR
Week 8 Learning Objectives etc: **DIRT** week – ensure all theory is up to date	**Objective assessments:** Practical tasks assessed.	