

COMPUTER SCIENCE GCSE 9-1

Assessment

NEA (Non Examined Assessment) 20%

Computing Principles Written Exam – 40%

Algorithms and Programming Written Exam 40%



THE NON-EXAMINED ASSESSMENT

The students need to be confident in these three areas for preparation of the NEA.

- Confidence in techniques
- Confidence in the mark scheme
- Confident in the documentation
- Confidence in testing



HOW TO PREPARE FOR THE NEA.....

Practise the coding techniques

Understand the documentation required

Read through the mark schemes

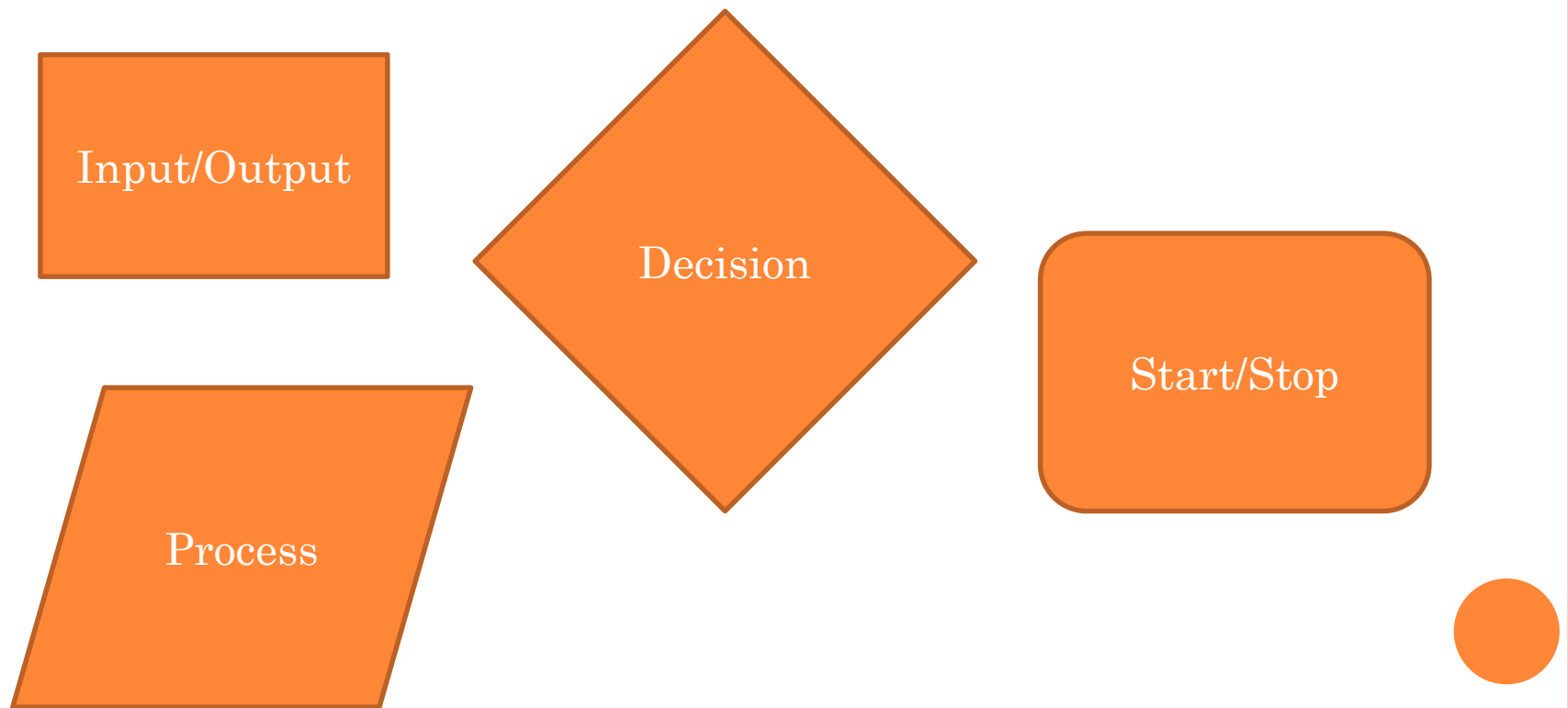
Practise testing of programs as well as the writing of them

Practise algorithms – flowcharts and pseudocode



FLOW CHART SYMBOLS

Using the correct flow chart symbols



CODING PRACTISE

- Codecademy
- Python
- Coderbyte
- HackerRank
- W3schools
- Stackoverflow


```
1- function DivisionStringified(num1, num2) {
2
3   // first we divide and then round accordingly
4   var div = Math.round(num1/num2);
5
6   // convert answer to string and then
7   // to an array separating each number
8   div = div.toString().split('');
9
10  // keep counter for inserting comma logic
11  var insert = 0;
12
13  // logic for inserting a comma every 3
14  // elements in the array starting from the end
15  // e.g. ['4', '5', '3', '2'] becomes ['4', ',5', '3', '2']
16  // and then we would join all the numbers into a string
17  if (div.length > 3) {
18    for (var i = div.length-1; i >= 0; i--) {
19      insert++;
20      if (insert === 3) {
21        div[i] = ',' + div[i];
22        insert = 0;
23      }
24    }
25  }
26
27  // return the elements joined into a proper string
28  return div.join('');
29
30 }
```



DYNAMIC LEARNING

Dynamic Learning

Filter

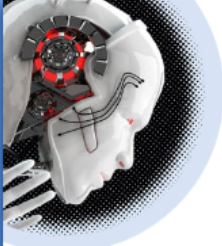


Compute-IT KS3 Package

Latest lessons

- Compute-IT 2, Lesson 1.2
- Compute-IT 1, Lesson 1.1

Computing and ICT




OCR Computer Science for A level

Latest lessons

- Operating Systems
- Computer Systems

Computing and ICT




OCR GCSE Computer Science package

Latest lessons

- Data Representation

Computing and ICT



OCR GCSE Computing Package

Latest lessons

- Data Representation

Computing and ICT

PREPARATION FOR THE EXAM

- Dynamic Learning
- Cambridge Mooc
- Mr Fraser
- BBC Bitesize
- Revision Guide
- Mark Scheme
- Question marks awarded
- Past Papers
- Past Questions
- Practise



WAYS TO REVISE

- Have a realistic plan
- Focus on individual Topics
- Use different revision methods – visual, mnemonics, acrostic's, brainstorming, Reading, cards, notes
- Eat and drink
- Turn music off
- Revise Break Test
- Use worked examples
- Key Terminology
- Place mats



THE EXAM

- Refer to marks being awarded for each question
- Read the question and then read the question again
- Highlight the important vocabulary in the question
- Use Diagrams
- Break answers into clauses. Stop and read each clause and think about the information that has been provided already

