Object Oriented Programming

Key Terms and Concepts

How are classes defined?

What is the definition of an object?

Method

Briefly explain the concept of overriding using the method "run".

A level Computer Science



Object Oriented Programming

How can we ensure that the properties of a class are not altered by the program?

Name three common types of method used in OO programming?

Describe the two types of association and the difference between them.

Association Diagram
Teacher Teaches Pupil

What is meant by the term encapsulation?



Object Oriented Programming

Key Terms and Concepts

**Explain polymorphism** 



Why is it true to say that composition should be favoured over inheritance?

What does the term interface mean in relation to OO programming?

A level Computer Science



Object Oriented Programming

Give three reasons why OO programming is preferable to imperative programming.

What is an abstract class?



What is the principle of information hiding?

What do generalisation and specialisation mean?