

# Object Oriented Programming Keywords

Class	A template that describes the behaviours and characteristics of objects
Object	The realisation of a class
Instantiation	Creating objects from the class
Attributes	Defines the characteristics of a class
Methods	Defines the behaviours of an object
Constructor	A special method that is called when an object is created
Inheritance	Subclass extends the attributes and methods from a base class
Composition association	A class instance is created within a class and object cannot exist independently.
Aggregation association	Objects can exist independently, but there is ownership of one class by another.
Overriding	The method in a child class is implemented instead of a method of the same name in the parent class
Polymorphism	Allow methods to be called with different data types and different number of parameters
Encapsulation	Data and methods are considered together and data can only be accessed through the objects methods
Abstract method	Enforces implementation of the method in the subclass
Virtual method	Method that can be overridden in a subclass
Interface	A class that contains abstract methods