

Unit 1 - Primitive Types	Coverage	when
Why Programming? Why Java?	T21 001	
Variables and Data Types	T21 004, 006, 008	
Expressions & Assignment Statements	T21 004, 006, 008	
Compound Assignment Operators	T21 068	
Casting & Ranges of Variables	T21 069	1/11/2021
Unit 2 - Using Objects		
Objects - Instances of Classes	T21 003, 005	
Creating & Storing Objects (Instantiation)	T21 003, 005	
Calling a Void Method		
Calling a Void Method with Parameters	T21 007	
Calling a Non-Void Method	T21 010, 011, 012, 013	
String Objects - Concatenation, Literals & More	T21 003, 070	
String Methods	T21 010, 073, 082	1/11/2021
Wrapper Classes - Integer & Double	T21 102	
Using the Math Class	T21 014, 056, 069, 087, 088, 089, 090	1/18/2021
Unit 3 - Boolean Expressions & If Statements		
Boolean Expressions	T21 008	
if Statements and Control Flow	T21 008	
if-else Statements	T21 015	
Compound Boolean Expressions	T21 061	
Equivalent Boolean Expressions	APC 3.6 Daily Video1, 3.6 Daily Video2	
Comparing Objects	APC 3.7 Daily Video1, 3.7 Daily Video2	
Unit 4 - Iteration		
while Loops	T21 016, 017, 018, 084	1/18/2021
for Loops	T21 074	1/18/2021
Developing Algorithms Using Strings	T21 073, 076, 082, 083,	1/11/2021
Nested Iteration	T21 023	
Informal Code Analysis	APC 4.5 Daily Video1, 4.5 Daily Video2	
Unit 5 - Writing Classes		
Anatomy of a Class	T21 045	
Constructors	T21 045	
Documentation with Comments	APC 5.3 Daily Video1, 5.3 Daily Video2	
Accessor Methods	T21 057	
Mutator Methods	T21 046	

Writing Methods
 Static Variables & Methods
 Scope & Access
 this Keyword
 Ethical & Social Implications of Computing Systems

T21 032, 040, 048

APC 5.7 Daily Video1, 5.7 Daily Video2

T21 007, 009

T21 054, 055, APC 5.9 Daily Video1

APC 5.10 Daily Video1

Unit 6 - Array

Array Creation & Access
 Traversing Arrays
 Enhanced for Loop for Arrays
 Developing Algorithms Using Arrays

T21 033

T21 033, 034, 035

T21 039

T21 036, 037, 038

Unit 7 - ArrayList

Introduction to ArrayList
 ArrayList Methods
 Traversing ArrayLists
 Developing Algorithms Using ArrayLists
 Searching
 Sorting
 Ethical Issues Around Data Collection

T21 102

T21 102

T21 039, 102

T21 103

T21 ap projects/Sorts

T21 ap projects/Sorts

APC 7.7 Daily Video1

Unit 8 - 2D Array

2D Arrays
 Traversing 2D Arrays

T21 ap projects/TwoD Matrix

T21 ap projects/TwoD Matrix

Unit 9 - Inheritance

Creating Superclasses & Subclasses
 Writing Constructors for Subclasses
 Overriding Methods
 super Keyword
 Creating References Using Inheritance Hierarchies
 Polymorphism
 Object Superclass

T21 098, 099

T21 097, 098

T21 097

T21 097

T21 095, 100

T21 095

T21 094

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Unit 10 - Recursion

Recursion
 Recursive Searching & Sorting

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