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| Subject | Android Application Development | | | Date |  | | Period |  |
| Group | BTEC Extended diploma | | | Group Size |  | | NC Level | 3 |
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| SEN/IEP/PSP Information | | | | | | | | |
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| Learning Objective | |  |  |  |  |  |  |  |
| Overview of software required to begin developing applications on Android.  Reasons for using a safe environment for development work.  Identify the common methods used within the development kit. | | | | | | | | |
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| Introduction/Starter   Introduction to Mobile phone application development, discussion on the reasons for using Android instead of other types of phone OS. | | | | | | | | |
| Register | | | | | | | | Time |
| Take register. Introduce module | | | | | | | | |
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| Main Activity | |  |  |  | Least able | Most able | AVK | Time |
| Discuss with students the different types of OS available in the current market.  Get all to install the development kit in preparation for learning the basics. | | | | | Support to ensure al l software is installed correctly | Get them to look at the advanced options available within the kit. | Use presentation.  Use hand outs.  Allow them to research other options |  |
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| Role of LSA | |  |  |  |  |  |  |  |
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| N/A | | | | | | | | |
| Plenary |  |  |  |  |  |  |  |  |
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| Q/A session. Ask apprentices to research the development cycle. Get them to discuss how using story boards will help them in the planning and design of the application.  Ask questions on application development minimum requirements, Version numbers, issues with updating the development kit. | | | | | | | | |
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| Assessment/Homework opportunities | | | |  |  |  |  |  |
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| Key Questions | |  |  |  |  |  |  |  |
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| Why is development carried out in a Sandbox? | | | | | | | | |
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| Resources | |  | ICT/Cross curricular | |  | Key Vocabulary | |  |
| PowerPoint presentation, laptop | | |  | | | Sandbox, test area, market requirements. | | |
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