T&L 2900—Using Android Devices in Education

Course at a Glance

Instructor/Presenter: Karina Barley
Length: 45 hours, complete in 4 months
Dates: Rolling admission
Number of Professional Development Credits: 3

Introduction

The 'Using Android Devices in Education' e-Course at Digital Learning Tree introduces educators to using the Android device in education. This Android course is different to any other as it not only provides instruction on applications and how to use them; it demonstrates how using the Android and applications can reflect the Core Standards; and then links the Core Standards to classroom content by providing opportunities for practical lesson design and assessment.

This course has been written specifically for educators by an educator and provides practical and usable strategies and ideas that can be taken back to the classroom. 21st Century learning is now a reality and the Android tablet can be an educational tool that when utilized effectively can create exciting and innovative experiences for students that will motivate and inspire them to learn. Also, in the author’s experience, using mobile technology in the classroom effectively can have a huge impact on student outcomes.

This course is jam packed with links to applications, core standards, resources, videos, and ideas for curriculum use and strategies for educators to create their lessons so that they can differentiate their learning for their students. The instructor of this course will also tailor lessons to your specific age group or classroom needs. For example, if you are an Art teacher you will be able to do assignments based on the students you teach or she will provide you with additional apps to explore based on your specific needs or the needs of your classroom.

Course Objectives

This course explores how the Android tablet works and looks at the huge realm of applications; and links the technology to the new “Core Standards” and provides opportunities for teachers taking this course to:

- Learn how the Android works and also discover some hidden uses of the Android.
- Understand how applications can reflect the “Core Standards” and learning outcomes.
- Learn how to incorporate mobile technology into your daily lesson plans.
- Develop the use of Android applications as an assessment tool.
- Develop the concept of what an Android classroom can look like.
- Appreciate the benefits for students.
Learning Objectives

- An understanding of why tablets are effective in the classroom and why they are beneficial for students
- The student’s perspective on tablets….why kids like them?
- An understanding of Bloom’s Digital Taxonomy & a direct correlation to mobile technology and application practice in the classroom
- How to incorporate Bloom’s Taxonomy’s learning objectives into your lesson outline using the Android and Android applications
- Practical links, ideas and suggestions for how you can create your own Android ‘classroom’
- To develop an understanding of the Core Standards and develop strategies for integrating these standards into all classroom planning including and especially using the Android as a teaching tool
- Links to the Core Standards and how The Standards should be considered when considering lesson content using Androids and applications
- Provides a brief overview on the long term goals of The Standards and the importance of their introduction into American education
- How using the Android in the classroom can meet these goals
- Provides a brief overview on the long term goals of The Standards and the importance of their introduction into American education
- How using the Androids in the classroom can meet these goals

Session Topics

1. Starting Out
2. Settings, Security & Childproofing
3. Apps, Photos and Screenshots
4. Using Mobile Technology for Flip Teaching
5. The Android in the Classroom
6. Androids and the Curriculum - English - Reading
7. Androids and the Curriculum - English - Writing & Speaking and Listening
8. Androids and the Curriculum - Math
9. Applications for Literacy
10. Applications for Numeracy
11. Applications in Other Curriculum Areas
12. How to Search for applications

Methods of Instruction will include:

- Individual lessons
- Multiple-choice quizzes
- Assignments
- Video, Android Resources & Applications, Web links
- Optional essay for further study

Text and/or Other Materials

Video, screen captures, multiple-choice quizzes, web links and links to applications are provided by the instructor in this online course. There are NO required textbooks.

Assignments

This course has twelve assignments.
The course includes twelve multiple-choice quizzes.

Last Updated: 5/9/2017
List of Specific Assignments

1. Getting Started
2. Settings, Security & Childproofing
3. Applications, Photos & Screenshots
4. Flip Teaching
5. Tablets in the Classroom
6. Core Standards Curriculum in English Language Arts
7. English - Writing and Speaking & Listening
8. Core Standards Curriculum - Math
9. Applications for Literacy
10. Applications for Numeracy
11. Other Applications
12. How to Search for Applications

Percentage of Course Credit:
- **Quizzes** 100%
- **Assignments** – mandatory but ungraded

Due Dates of Major Assignments, Projects, and Examinations:
- This online, self-paced program can be started and completed at the student's own leisure **within four months from the start date of the course.**

Grading

This online course uses Letter Grading (A – F) or Satisfactory/Unsatisfactory (S/U) according to the Quiz results. The grading option must be selected at the time of course registration.

The course administrator will review students' answers and provide feedback. Students will be evaluated on their quiz grades, assignment presentation, and the quality of all the assessments required for this course. There is an opportunity for the students to repeat the quiz twice should they fail.

Scholastic Dishonesty

Students enrolled in this course are expected to be aware of the seriousness of scholastic dishonesty. Unacceptable behavior such as submitting someone else's work as your own, cheating on exams, or plagiarizing can result in failure of the course or other sanctions. For a more detailed description of these policies, please refer to the UND Code of Student Life; Appendix IIIa-3, at: [http://und.edu/student-affairs/code-of-student-life/](http://und.edu/student-affairs/code-of-student-life/)