

DEBUNKING “CODER-GARTEN”



Location: Smithers Secondary School (Rooms TBA)

Professional Development Day — February 10th 2017

What does the ADST (Applied Design , Skills and Technologies) Curriculum really have as its focus? (hint: not hours of line coding for primary students)

9:00-10:15 General session for all grades and interest levels - ADST and Computational Thinking (How this is a great fit with Project Based Learning or “Computational Thinking in Cookie Baking”)

10:30-12:00 Focused—Hands-on sessions

A.iPad apps in the classroom - Owncloud plus other useful apps

B.Coding in an elementary classroom

12:00-1:00 Lunch with a techie (soup and a bun plus demo of 3-D printing)

Project-Based Learning Integrating 21st Century Skills



Debunking “Coder-Garten”

- Teaching Computational Thinking
- Overview of ADST Competencies
- Teaching Digital Literacy
- No computers needed—paper based coding?
- **Hands on topics in digital literacy:**
 - Owncloud file and project storage within our district from home and portable (iPad) classroom devices
 - Coding for elementary schools—platforms and key concepts
- Lunch with a techie—demonstration of 3-D printing technology.



REGISTER ON OUR MOODLE SITE

<https://goo.gl/6PY6Jg>

Session 1: Debunking “Coder-Garten”

Neal Currie, Smithers Secondary
Scott Richmond, Houston Secondary
Matthew Monkman, School Board Office

9:00 a.m. to 10:15 a.m.

This session is applicable to all grade levels. Although the ADST curricular focus for the introduction of “coding” is at the grade 6-9 grade levels, all teachers will benefit from understanding what the ADST competencies are (and it is quite refreshing to see how they have a great fit with any project based learning activity).

This session will consist of a brief presentation followed by hands-on activities in computational thinking.

Session 2a: Owncloud and iPad apps

Matthew Monkman, School Board Office
Cameron Bobick, Tech Dept
Adam Ethier, Tech Dept

10:30 a.m. to 12:00 p.m.

This session is applicable to all grade levels. This session will be a demonstration of the Owncloud file storage platform that Cameron has installed for use in our district. The platform allows users to access their H: drive and other server storage from any Internet location. In addition, the platform has an app that will be used on iPads for the storage of files and content for later retrieval or access from computers.

Users will be able to setup their own smartphones or iPads to use the Owncloud app if they want.

If time allows, the session will also explore other useful classroom apps currently popular.

Session 2b: ADST Programming 6-9

Neal Currie, Smithers Secondary
Scott Richmond, Houston Secondary

10:30 a.m. to 12:00 p.m.

An introduction to teaching the basics of computer programming as outlined in the ADST curriculum. Participants will have an opportunity to explore possible platforms to use in grades 6-7 and learn about topics covered in 8-9 at our secondary schools.

Session 3: Lunch with a Techie

12:00 p.m.—1:00 p.m.

Join us for lunch and a demonstration of 3-D printing technology.