SELECT SUCCESS

Andrew Woodbridge, Grover Cleveland High School

Oracle Training Taxonomy

- Working in groups of 2-3 at your tables:
  - Write as many words as you can associated with Oracle Training on your taxonomy sheets.
  - You have 5 minutes

Oracle Training Taxonomy

- Working in groups of 2-3 at your tables:
    - Write as many words as you can associated with Oracle Training on your taxonomy sheets.
    - You have 5 minutes
- This activity type of activity gets everyone on the same page and allows the teacher to see what prior knowledge is available

Overview

- Grover Cleveland High School
  - AOIT
  - Oracle Academy
- What does Education Look Like Today?
  - Project Based Learning
  - Digital Classroom
  - College & Career Ready Education
- What Skills are Most important?
  - Current Offerings
  - Career Paths

Grover Cleveland High School

- General Education, Zone High School
- Ridgewood, Queens
- Population
  - 64% Hispanic
  - 24% White
  - 7% Asian
  - 5% Black

Academy of Information Technology

- Academy is 8 years old
- Partnership with the National Academy Foundation
- Provides Curriculum, Internships, and Development
- http://naf.org for more information

Oracle Academy

- Four semester sequence (you'll see the sequence in a moment)

- Culminates in students earning OCA in PL/SQL

- Includes a Keystone Data Modeling Project.

- Oracle provides teacher training, curriculum, and a web hosted database (APEX)

- http://academy.oracle.com

ORACLE ACADEMY

NAF/Lenovo Android Pilot

- One of only five schools in the country
- Received 30 android tablets, and 6 desktops
- Offering a Semester long Android App Development Java course

Our Upper Level Students

Current Course Sequence

	Fall Semester	Spring Semester
Sophomore Year	Career & Financial Management	Introduction to Information Technology
Junior Year	Data Modeling	SQL
	Digital Media	Hardware
Junior Year Summer Internship Experience		
Senior Year	Intro to Programming	Android App Dev.

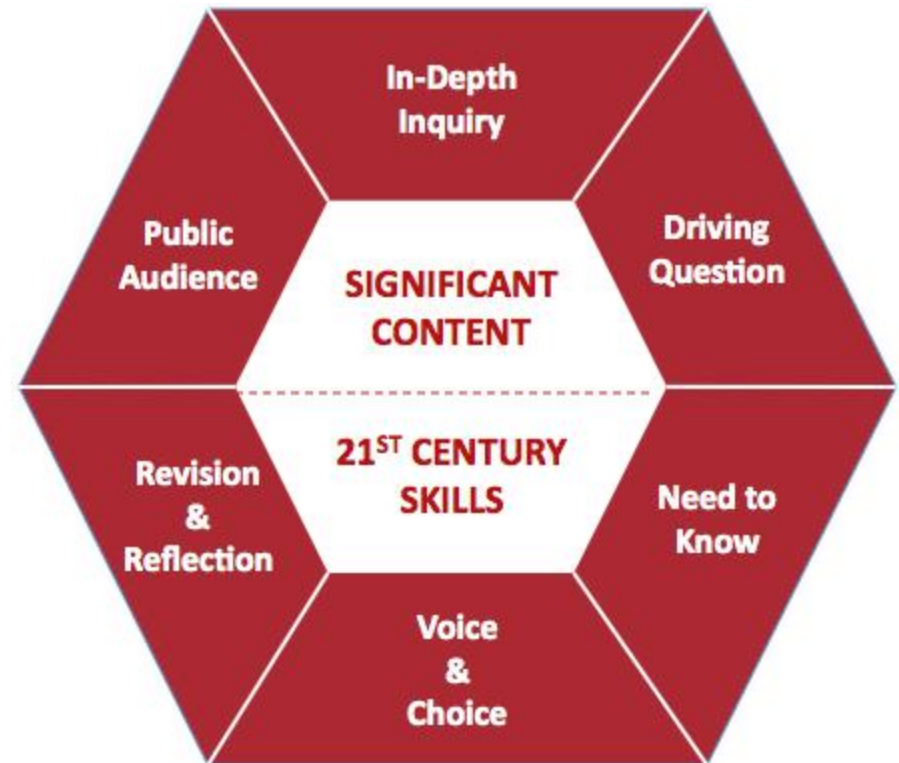# What Does Education Look Like?

Digital Classroom

- Web Based Resources
  - Curriculum & Database
  - All assignments and class materials are maintained on a Wikispace
    - http://awoodbridge.wikispaces.com
  - Grading done on Engrade so students and parents can access it anywhere

Digital Classroom

- Tools
  - Email available to students when they have questions in the evenings.
  - Scrumy to Manage Products
  - Student generated Wikispaces for projects
  - Microsoft Tags to help move documents around
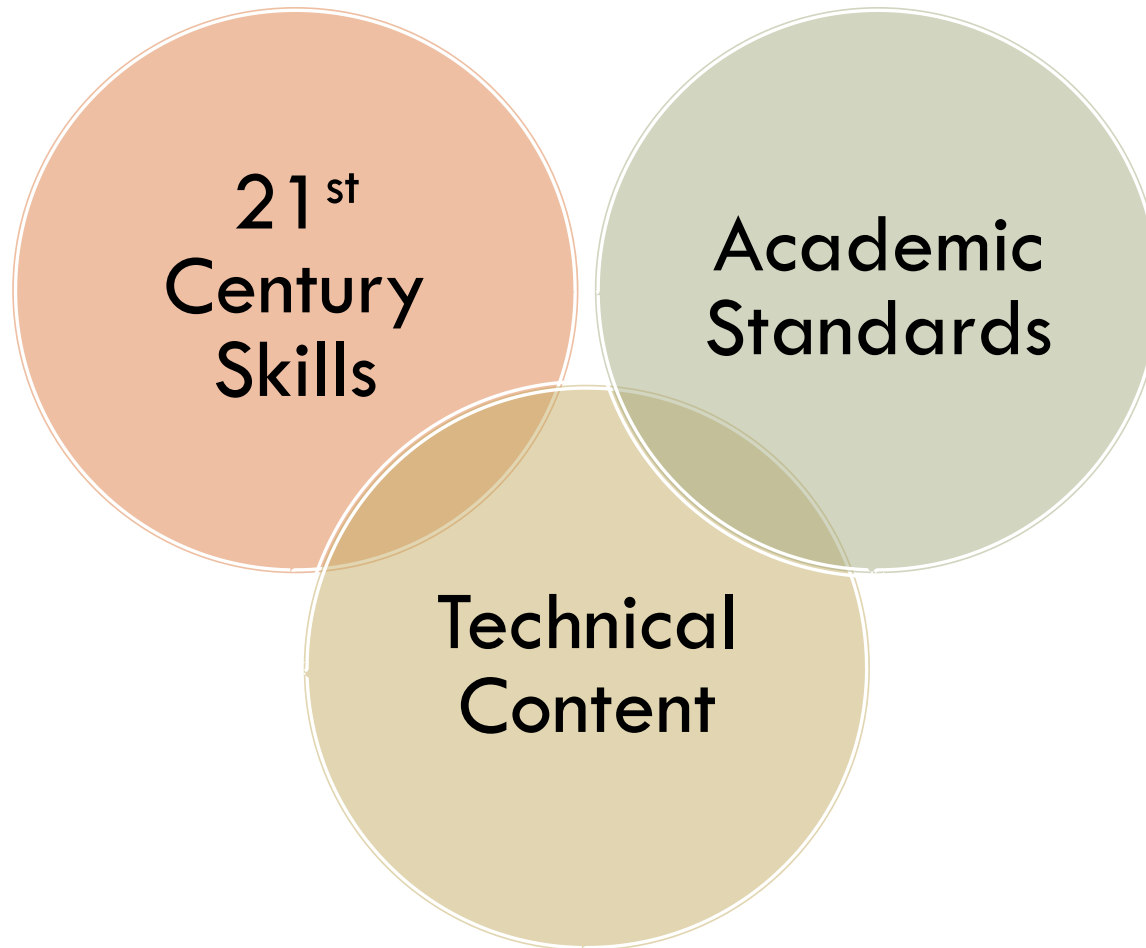 - GoogleDocs forms for some quizzes and surveys.

Project Based Learning

- Authentic
- Engaging
- Student Centered
- Buck Institute for Education
  - http://bie.org

Career & Technical Education Programs

2012 Data Modeling Keystone Project

- Partnered with New York Public Library Pforzheimer Collection
- Students worked in companies of three people
- Visited library to interview the collection bibliographer
- Designed a data model to meet the collections needs
- Returned to the library to present their solutions
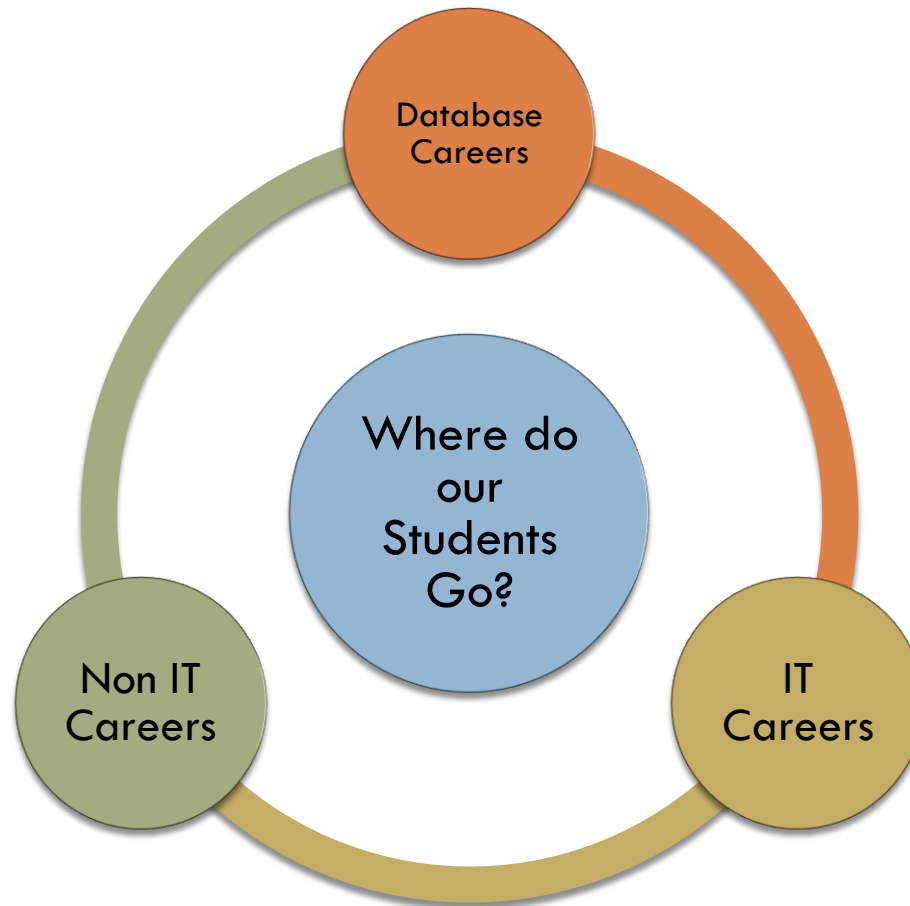
What skills are most important?

Students that are Career & College Ready

What are the challenges?

- Not every student is planning to go into a DBA or Developer Career Path
  - What skills will be the most transferable between jobs?
- Oracle Exams are **extremely** difficult for our students to pass.
  - Does that certification really make or break our students?
- Oracle Academy Curriculum is Not Project Based
  - What are some authentic problems for our students to solve?

How do we serve different career paths?

Sequencing & Certification

PL/SQL Oracle Certified Associate			
	Fall Term	Spring Term	Exams
Junior Year	Data Modeling	SQL	1Z0-007
Senior Year	PL/SQL 1	PL/SQL 2	1Z0-147

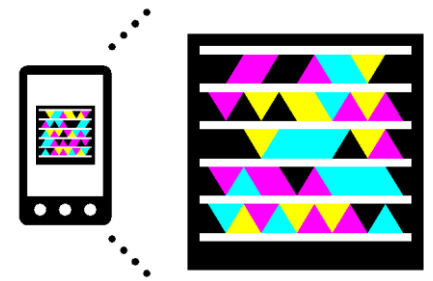| SQL Certified Expert			
	Fall Term	Spring Term	Exams
Junior Year	Data Modeling	SQL	1Z0-047
Senior Year	Java	Android App	

Making Authentic Experiences

- What types of problems do you solve?
- What skills do you need to solve those problems

In Closing

- We are always looking for partnerships and new experiences
- We truly appreciate your input
- Contact Information
    - Andrew Woodbridge
    - awoodbridge@schools.nyc.gov
    - http://awoodbridge.wikispaces.com

Get the free mobile app at
http://gettag.mobi