

Mountain Brook High School Professional Development Jan 14 2015

Continuation of.....

Blended Learning

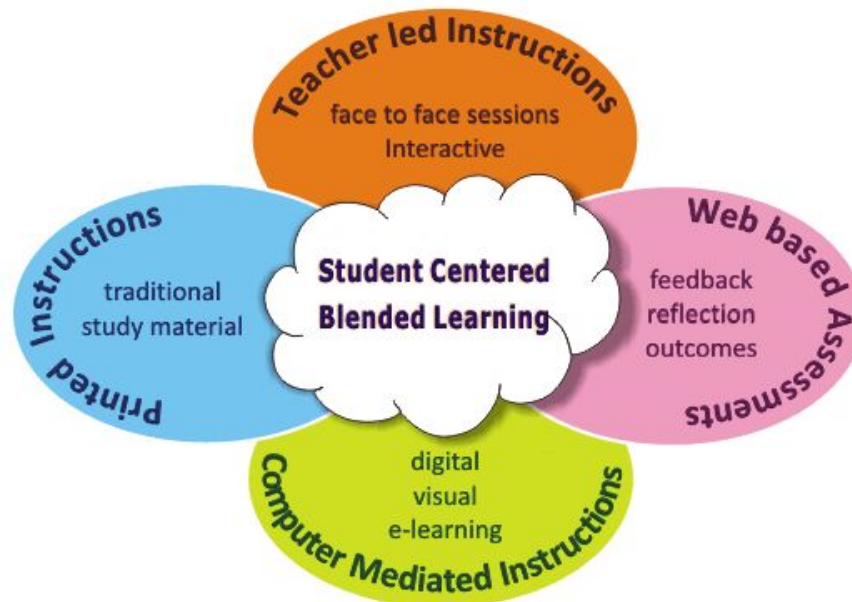
Working in the Cloud

Collaboration with Peers and Students

Presented by Joani Kay, MBHS Technology Coordinator

BLENDED LEARNING

- * **Blended learning** is a education program in which a student learns in part through delivery of content and instruction via digital and online media with some element of student control over time, place, path, or pace.



Working in the Cloud

**Cloud Based Learning –
basically the Internet**

Helping Keep It Organized

- * **Learning Management System** - A learning management system (**LMS**) is a software application for the administration, documentation, tracking, reporting and delivery of electronic educational technology (also called **e-learning**) education courses or training programs.
- * LMSs range from systems for managing training and educational records to software for distributing [online](#) or blended/hybrid courses over the Internet with features for online collaboration. Colleges and universities use LMSs to deliver online courses and augment on-campus courses. Corporate training departments use LMSs to deliver online training, as well as to automate record-keeping and employee registration.

NOTE: iNow – STI will introduce their LMS Fall 2015

Moodlerooms / Google Classroom / New Website, etc

Things to Consider...

- * Teaching your students to the best of your ability is always #1 and everything that goes with that.
- * Be aware of what tools are available, what is happening in the world, and select the best tools for you and your students. Keep Growing.
- * Decide if you have something you would like to change in your lessons and see if a tool is available.
- * Pick what works for you and do not feel like you need to know every tool.
- * Needs saying again: Teaching your students to the best of your ability is always #1 .

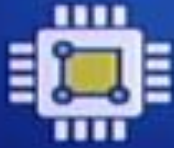
Prepare for what is already here,
what is within our reach, and
what is on the way.

Series of Sessions: Preparing for what is on the way



THE GLOBAL STAGE FOR INNOVATION

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Sensor



Processing Power



Connectivity

Internet of Things

IoT

Sensors

Connectivity

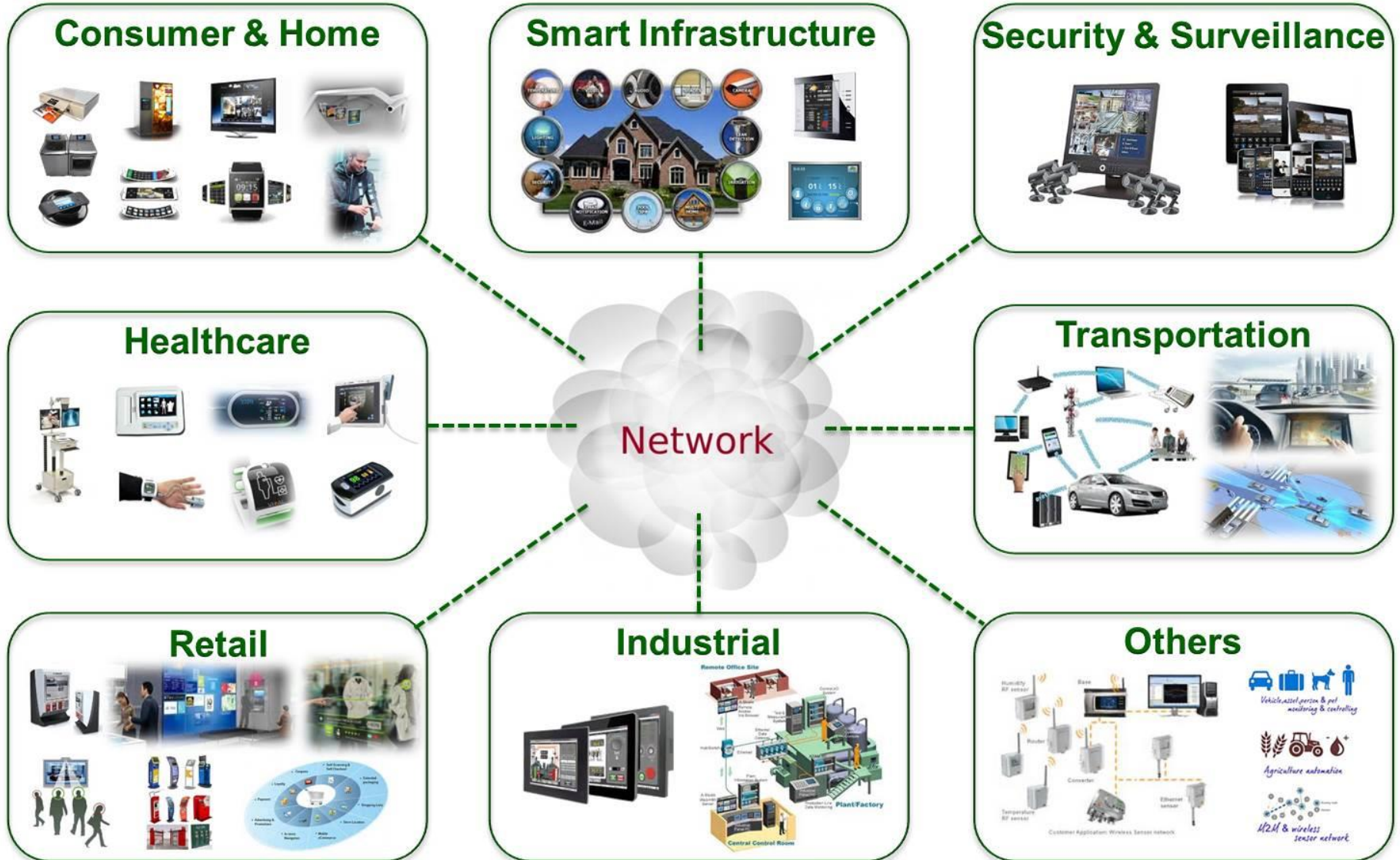
Smart Components

Sensors

Buzz Terms

- * **Internet of Things** – Internet of Things - sensors everywhere
- * **Super Internet of Things** - communication
- * **Smart Roads / Smart Cars** – driverless transportation
- * **Morphing into Prosumer** – we produce our own energy
- * **Connectivity of Things** – always connected

IoT



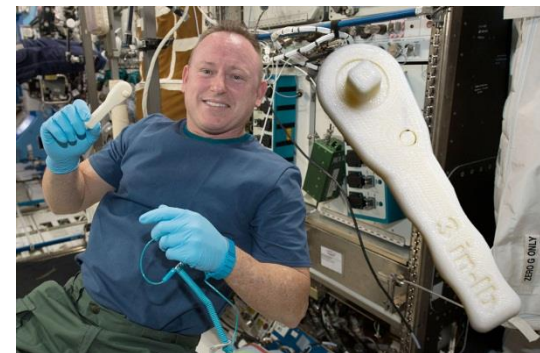


3 D Printing Has Changed

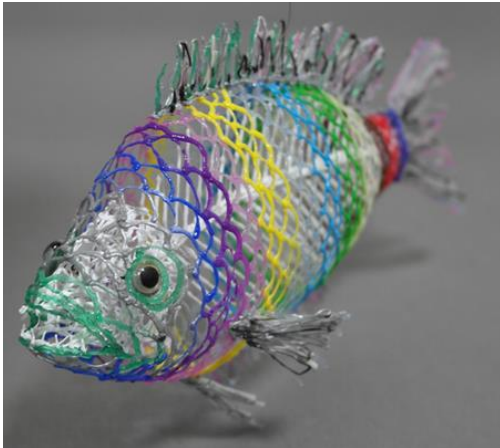
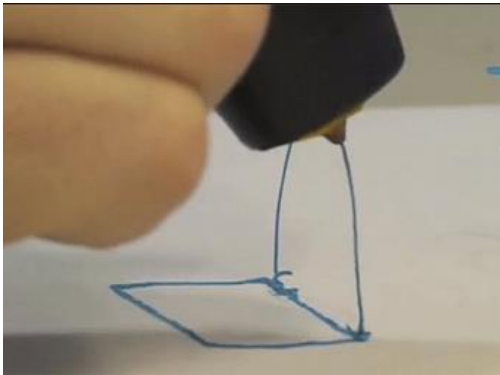


Metal Chain Link
Printed in 30 minutes

Recently printed the first
wrench in space on space
station



3D Doodle Pen has changed

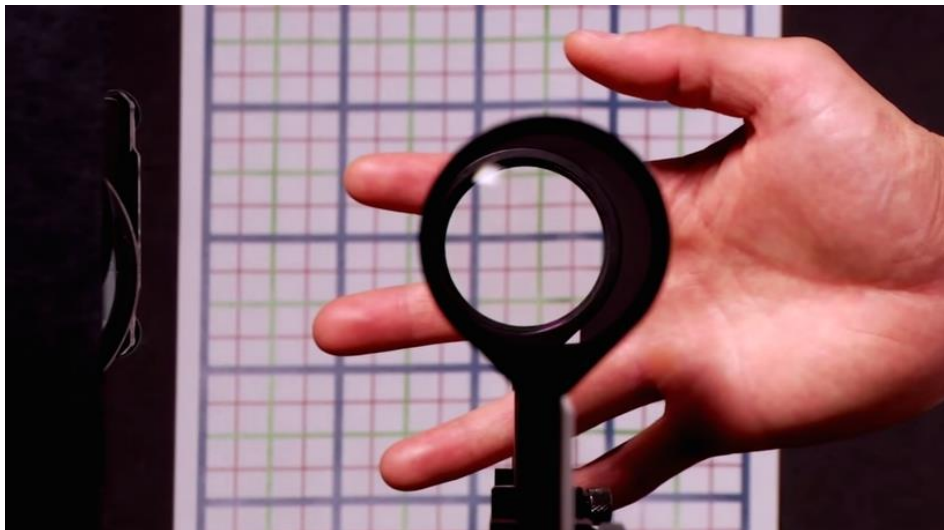




iRobot

Cloaking Device
like Harry Potter's Cape

Button Size Computer
with Video / Audio



Student Learning Environment



What is
without
our reach

Blended Learning Cloud Based Learning

- We have been using Cloud Based Blended Learning like Moodlerooms for several years in addition to other resources.
- Begin to focus on new tools in the tool box
 - Google Classroom and Google Apps for Education
 - New MBS Website

Benefits of Working in the Cloud

- * Accessible from any location with Internet access
- * Works on any platform - laptop, phone, tablet, etc
- * Allows studying together in real time / always correct version.
- * Going Green is easier.
- * Helps Save time - Time Management

Happening in our schools

New MBS Webpage

- * **MBS APP** - people can subscribe and receive updates when new announcement is posted to front page.
- * **Students can subscribe** to your website calendar and get updates.
- * **Secure sign-in** available similar to other Cloud based resources. Students and teachers already available. Parents will have this feature by the end of January.
- * **We are creating a Cloud based Intranet** so some things will be public and others will require sign-in.

We introduced this last year when discussing Blended Learning.

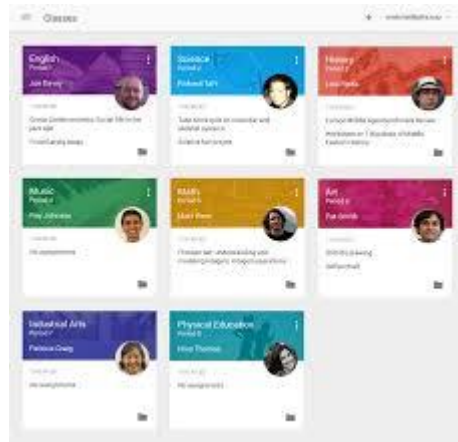
It has now arrived in Mountain Brook Schools - MBHS.



GOAL: Be Aware of what is Available



- * Since we have been using MoodleRooms and other Cloud based resources for a few years we want to spend time on Google Apps for Education, Chrome, and Google Classroom.

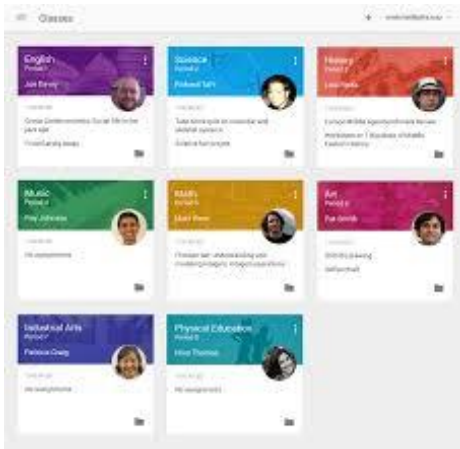


- * In order to make the best decisions for our students we need to be informed of what is available and how it works.

Google Lesson for Today:



- Complete the SURVEY which provides experience using Google Forms.
- Make sure you can access our MBHS Teacher Google Classroom called HS Reservations.
- Complete the Jan 15 Assignment in our Google Classroom.
- Assignment provides experience with:
 - Working with Google Slides (PowerPoint)
 - Google Research Tool (Tools / Research)
 - Drag and Drop images and information



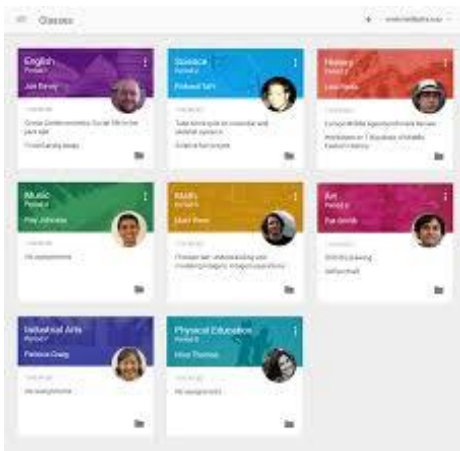
Cloud Based / Google Lesson for Today:



Quote from one of our teachers after our professional development session....

I have shown three of my five classes how to use Google slides and the awe in their faces when I show them the research tool is too funny!

Jesse Creech, World Language Teacher



Thank you and Happy Learning