Cyber Seniors: Connecting Academics With a Community Service Learning Project

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Agenda

I. Service Learning – Planning

II. Creating Class Materials

III. Recruiting Participants and Volunteers

IV. Engaging participants using interactive technology tools in the classroom

V. Lessons Learnt

VI. Feedback

Mission Statement

IVCCD MISSION

Iowa Valley Community College District is committed to providing quality learning experiences, ensuring student success, responding to diverse community needs, and building community partnerships.

IVCCD VISION

We will serve our communities as the essential catalyst for educational and economic vitality.

IVCCD CORE VALUES

Educational Excellence

Leadership & Communication

Partnerships

Recognition & Success

Growth

Quality

Accreditation

Marshalltown Community College (MCC) is a 2 year public community college located in Marshalltown, Iowa.

Grinnell campus

Ellsworth Community College (ECC)

Accredited by The Higher Learning Commission (www.ncahlc.org; ph. 312-263-0456), the Iowa Department of Education, and the National Alliance of Concurrent Enrollment Partnerships; some individual ECC and MCC degree programs are als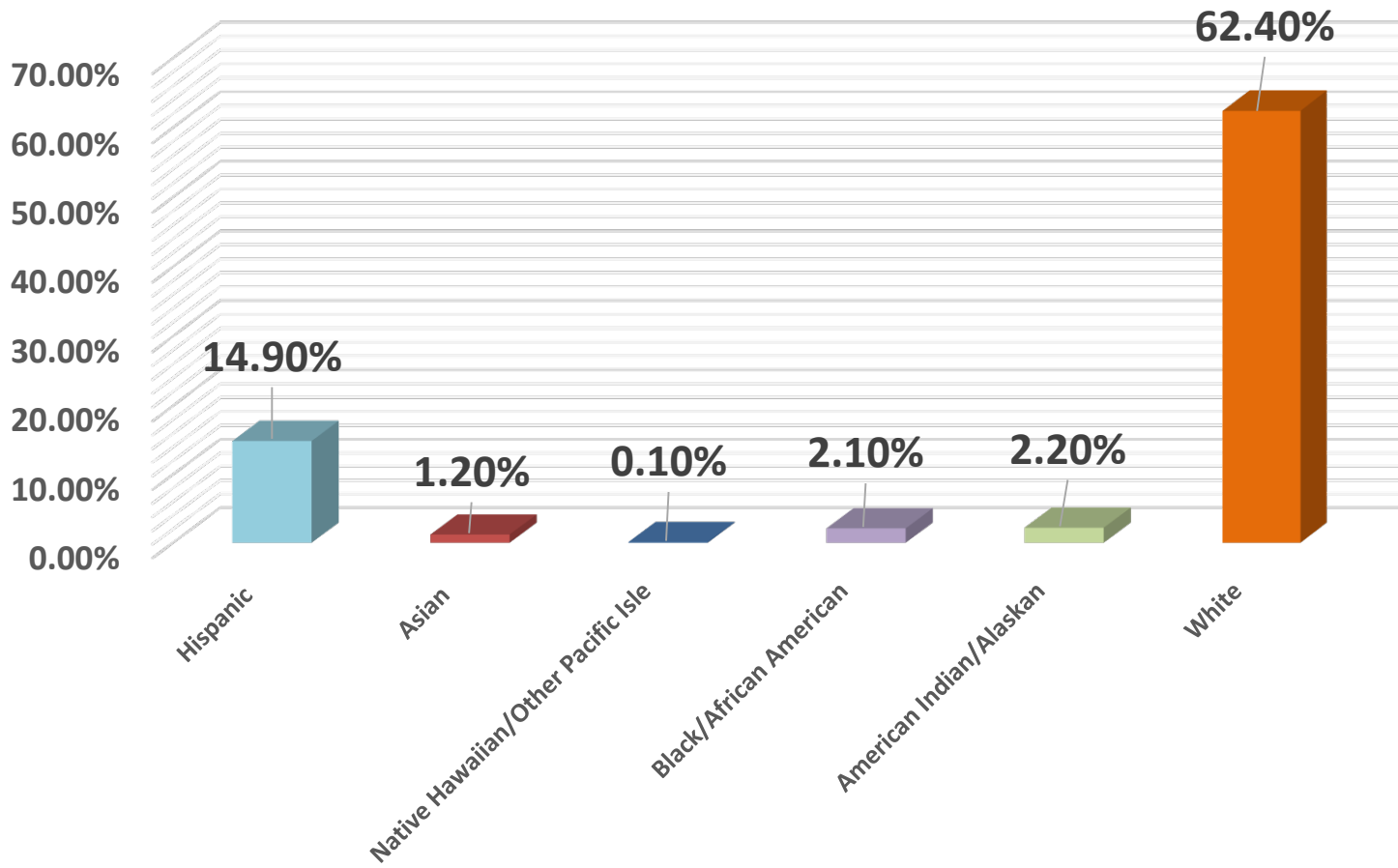o accredited by agencies specific to those areas of study. IVCCD has articulation agreements with Iowa's Regent universities and many other colleges and universities in Iowa and the Midwest.
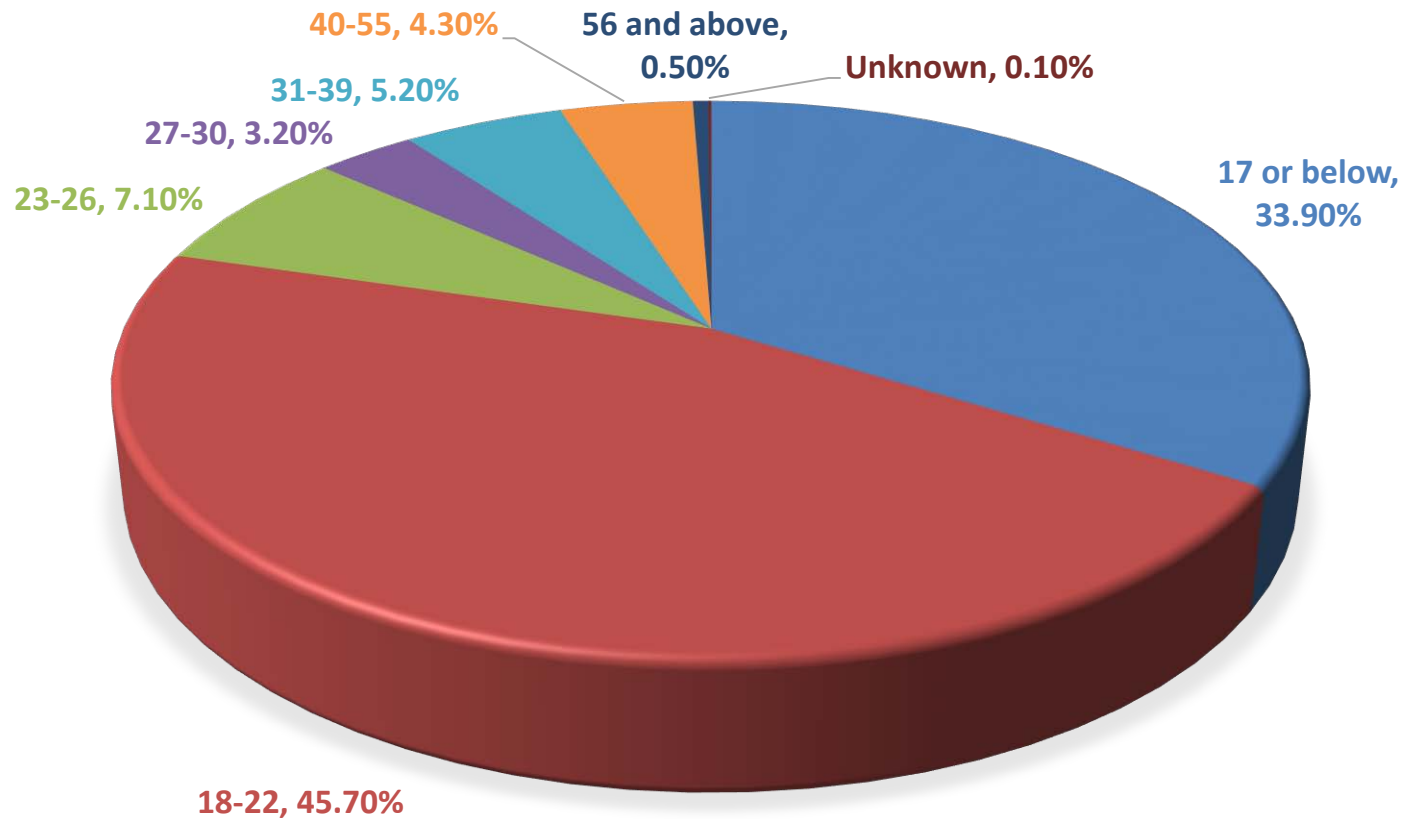
Marshalltown Community College Spring 2016 Statistics

- 2 year public college
- District offers 32 Certificates and 39 Associate Degrees.
- Spring Enrollment: 1797
- Full Time 689, Part Time 1108
- Male 759, Female 1037

Demographics

Bar chart showing demographics percentages:
- Hispanic: 14.90%
- Asian: 1.20%
- Native Hawaiian/Other Pacific Isle: 0.10%
- Black/African American: 2.10%
- American Indian/Alaskan: 2.20%
- White: 62.40%

Age Group

40-55, 4.30%

56 and above, 0.50%

31-39, 5.20%

Unknown, 0.10%

27-30, 3.20%

23-26, 7.10%

17 or below, 33.90%

18-22, 45.70%

CYBER SENIORS- CLASS OF 2015, Marshalltown Community College

Define Service Learning

- http://www.nationalservice.gov/
"These organizations engage students in service activities that ensure academic achievement and promote civic responsibility. By using their knowledge and skills to improve their communities, youth make the connection between learning and doing. In this linking of academics and action – called service learning – youth investigate, analyze and address community challenges, planting the seed for a lifelong ambition to make the world a better place."

Using Service-Learning to Deepen Students' Understanding of Course Content

Service-learning has long been an effective way to help students develop a richer understanding of a subject and also apply what they are learning in a tangible way. Bringle and Hatcher (1996) defined service learning as: "a credit bearing, educational, experience in which students participate in an organized service activity that meets identified community needs, and reflect on the service activity in such a way as to gain further understanding of course content, a broader appreciation of the discipline, and an enhanced sense of civic responsibility." Well-designed and implemented service-learning projects can have a significant impact on the undergraduate experience of students

- Recruit Participants and Volunteers
- Advertise via Social Media Facebook
- Flyers
- Chamber of Commerce News Letter
- Senior Citizen Center
- Marshalltown Library
- Faculty Partnerships
- Group Assignments
- Word of Mouth
- Bonus opportunity for students who recruit participants.

Volunteers

- Americorp Vista – Coordinator to take phone calls, register participants and volunteers. Marketed the program by visiting Senior Citizen center and Marshalltown library. Advertised in the Marshalltown chamber digest news letter and creative retirement group on Marshalltown Community College campus.

- Marshalltown Community College Foundation helped spread the word around and processed the public donations. Provided giveaways to the participants.

- After the pilot program funding was secured through Wells Fargo Bank $500.

Volunteers

- Wells Fargo personnel provided online banking information and handed out door prizes.
- Students from Sociology, Computer Science and TV and broadcasting program volunteered to pre-assess and deliver one on one lesson plan to the participants. Interviews were conducted by students in Sociology class and volunteers.
- Hands on Computer training by Computer Science students and volunteers.
- Computer Hardware Demonstration was conducted.

Cyber Seniors – Service Learning Project

- TV and Broadcasting students helped with recording the video, editing and uploading the information on youtube channel.

- Faculty and Staff volunteers helped in set up and clean up activities and directed the participants to the respective classrooms.

- College Cafeteria prepared lunch.

- Sponsors were recognized by the Marshalltown Community College Foundation.

- Participants provided feedback by evaluating the course.

- Participants were provided certificate of participation.

Cyber Seniors – Service Learning Project

Certificate of Participation
Awarded To

Iola Snow

For Outstanding Participation in the Cyber Seniors - Service Learning Project on November 16, 2015

_____

Associate Professor, IT (Savitha Pinnepalli)

Registration and Lunch

Can you recognize these Logos??
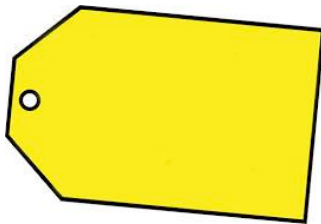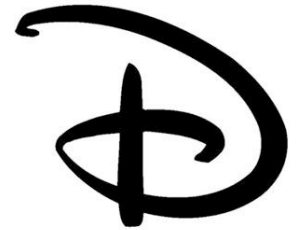
Can you recognize these Slogans?

- Freaky Fast.

- Expect more. Pay less.

- The ultimate driving machine.

- Can you hear me now?

- What's in your wallet?

- The uncola.

- Don't leave home without it.

- When it rains it pours.

- Are you in good hands?

- Just Do It.

- It does a body good.

- The quicker picker upper.

- The king of beers.

- Like a rock.

- We bring good things to life.

- When you care enough to send the very best.

- Babies are our business.

- Good to the last drop.

- How do you spell relief?

- Eat fresh.

- That was easy.

- The breakfast of champions.

- Think outside the bun.

- Always low prices. Always.

Memory Test

Dollar Bill

Dice

Tricycle

Four Leaf Clover

Hand

Six-pack

Seven-Up

Octopus

Cat Lives

Bowling Pins

Football Team

Dozen Eggs

Unlucky Friday

Valentine's Day

Quarter Hour

My Name in Binary Code

Computers use binary code to store information. Binary code can be represented by any two symbols, such as 1s and 0s or full and empty circles.

Make a binary code representation of your name (or nickname). For each row, fill in a letter and the corresponding binary code. Leave the circle empty for 0 and fill it in for 1.

Name   Binary Code

Letter	Binary Code	Letter	Binary Code
a	01100001	n	01101110
b	01100010	o	01101111
c	01100011	p	01110000
d	01100100	q	01110001
e	01100101	r	01110010
f	01100110	s	01110011
g	01100111	t	01110100
h	01101000	u	01110101
i	01101001	v	01110110
j	01101010	w	01110111
k	01101011	x	01111000
l	01101100	y	01111001
m	01101101	z	01111010

Upper case letters start with 010 (instead of 011).

whatisnano.org

Can you find 15 differences between these two pictures?

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Marshalltown Community College   *Iowa Valley Community College District*

Table of Contents
Pick your favorite activity

- Keyboarding skills
- Word Processing
- Computer Navigation skills
- Email
- Internet Search Strategies
- Google Maps
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- Good eating habits
- Benefits of Exercise
- Games
- Links

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Students Interviewing the Participants

Students Interviewing the Participants

Keyboarding

5. Type using the fingers as shown in picture below.

Keep Left Hand Fingers On
Letters A S D F

Keep Right Hand Fingers On
Letters J K L ;
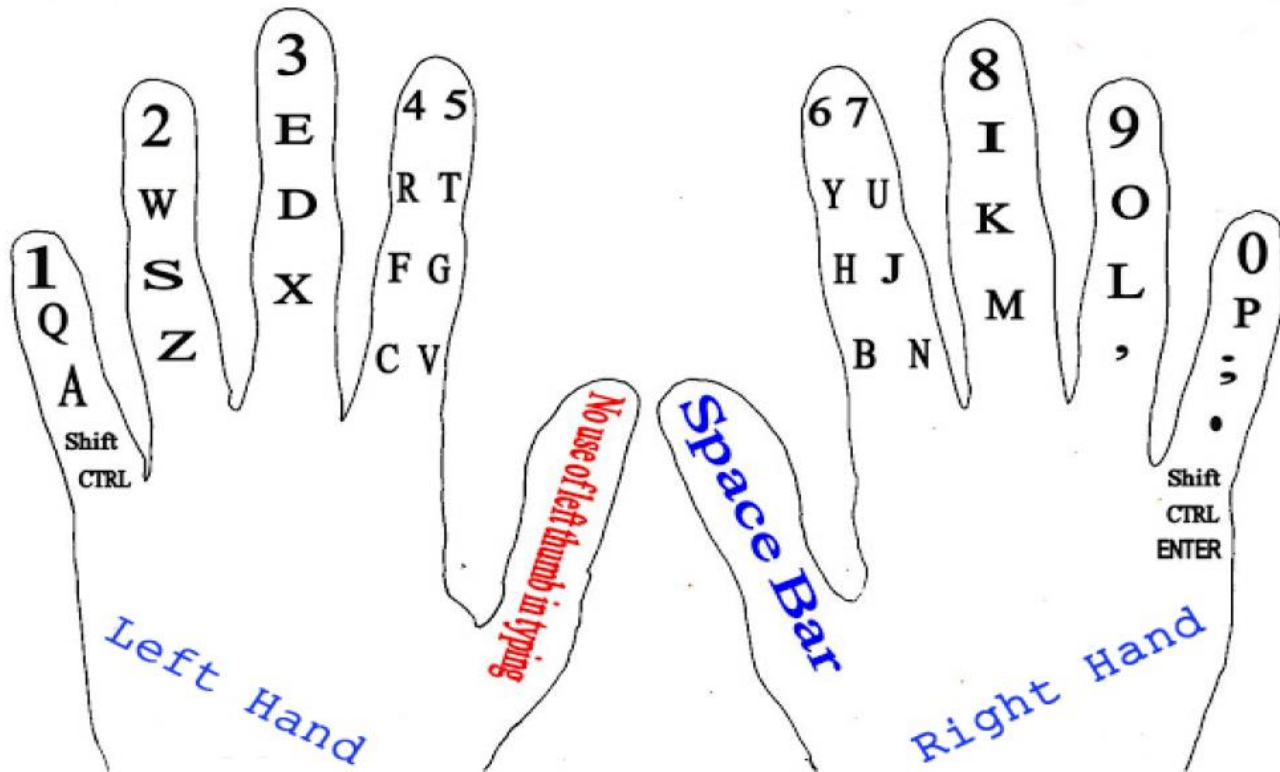
Word Processing

Sit and Be Fit Exercise Tips

Facial Exercise

Wheeldecide.com

Participants receiving Jump drives

Wells Fargo - Sponsor
Learning about online banking

Fun with Puzzles

Solving Puzzles

Comedy by MCC Student

Computer Hardware

Broadcasting student filming the event

Marshalltown Community College

Iowa Valley Community College District

Project Based Learning

Students also need help developing soft skills, such as critical thinking, global awareness, and being able to solve problems creatively. Projects that emphasize and assess these skills help students prepare for the complex challenges ahead.

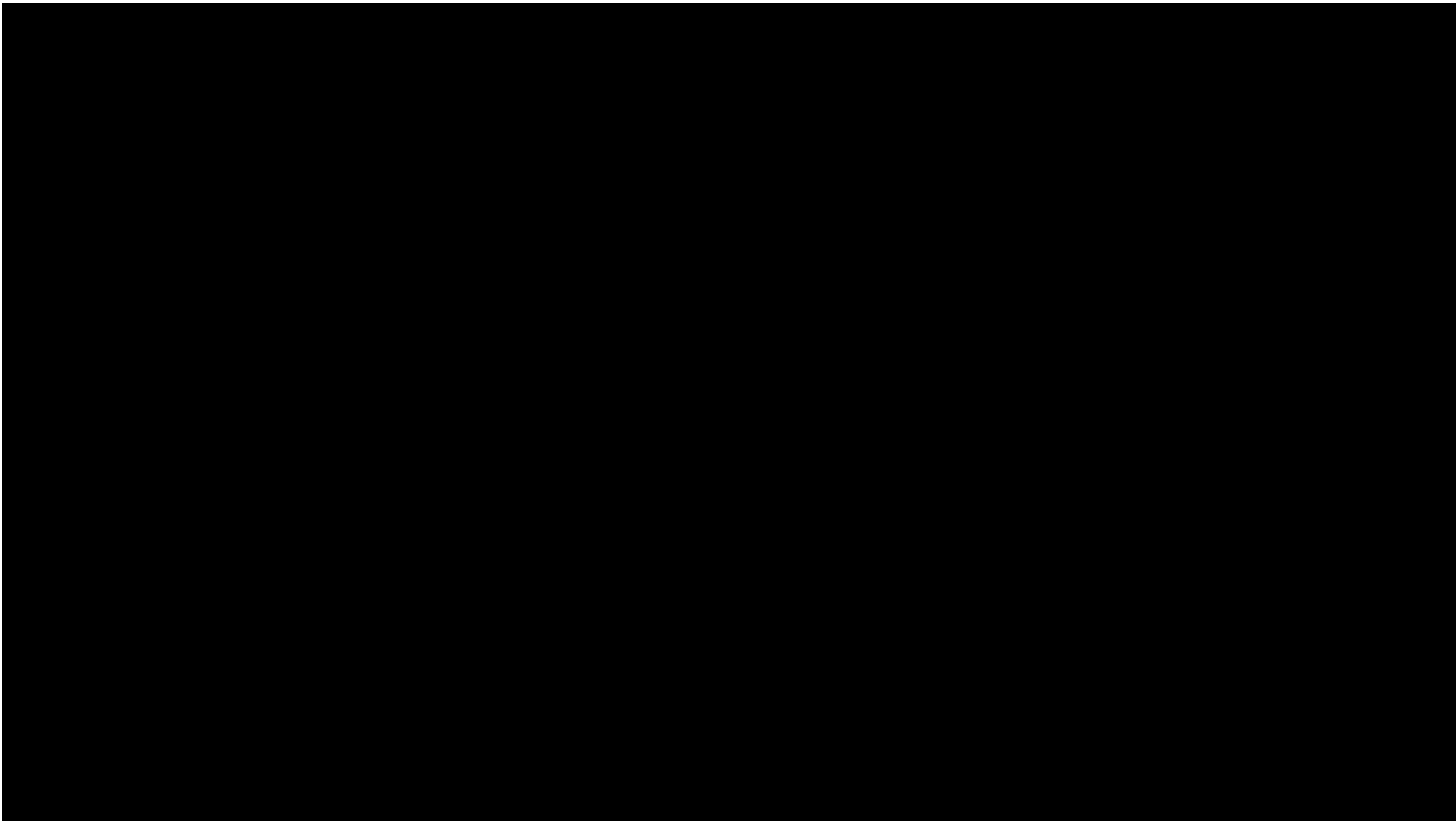"Critical thinking is thinking about thinking while you're thinking in order to make that thinking better" - Richard Paul

Critical thinking helps in Self reflection and Correction (improvement)

http://www.webquest.com/

Video

https://youtu.be/MhhUjM6Mm3M

Survey and Feedback

VOLUNTEER SURVEY

CTS (Computer Training for Seniors)

Name: _____

Age: _____

Date: _____

For each item identified below, circle the number
to the right that best fits your judgment of its quality.
Use the scale to select the quality number.

Please rate you experience while working with the CTS service learning project.	Poor		Good		Excellent
1. How did you feel about your overall performance?	1	2	3	4	5
2. How well do you feel you understood the topic discussed?	1	2	3	4	5
3. How well did all the participants respond?	1	2	3	4	5
4. How was this service learning project compared to others you participated in?	1	2	3	4	5
5. Was the lesson plan detailed and easy to understand?	1	2	3	4	5
6. Do you feel that this service learning project also taught you some valuable lessons and information?	1	2	3	4	5
7. Rate your basic knowledge of computer?	1	2	3	4	5
8. How well do you know e-mail setup?	1	2	3	4	5
9. How well do you understand social networking?	1	2	3	4	5
10. How well do you know the basic components of a computer (mouse, keyboard, speakers, printer, USB flash drive)?	1	2	3	4	5

Comments:

Engaging students using interactive tools in the classroom

- Bravo Quizzing Software – Interactive Quiz game show software.

It is a powerful game show software suite that will enhance any instructional experience. Designed to help you use games to teach, BRAVO! features four customizable training game templates. It's a snap - just add your content and play!

- http://www.c3softworks.com/

Google Card Boards

- Color code 3d – view pictures and movies in 3d

- [https://www.youtube.com/watch?v=yBJEP4ls RFY](https://www.youtube.com/watch?v=yBJEP4lsRFY)

     3d digital entertainment while you wait for your food to arrive! Bon appétit!

- Google Card Boards Virtual Reality

3d printer

http://www.youtube.com/watch?v=jQ-aWFYT_SU   wrench
http://www.youtube.com/watch?v=S-E6vRfnijw 3d print show London
http://www.youtube.com/watch?v=XEKns8T7yUA
http://www.youtube.com/watch?v=hmxjLpu2BvY bicycle
http://www.youtube.com/watch?v=JK55GSbSWQ0 gun
http://www.youtube.com/watch?v=G0EJmBoLq-g **3D Printing: Make anything you want**
http://www.youtube.com/watch?v=67cev_zcXJw cell phone case
http://www.youtube.com/watch?v=-yv-IWdSdns&list=PL26bbyvo_Z3WRqXTC14fJAuYmRCPeYcVv printing home

Virtual field trips – ART , HISTORY

Explore collections from around the world with thousands of artworks photographed in extremely high resolution.
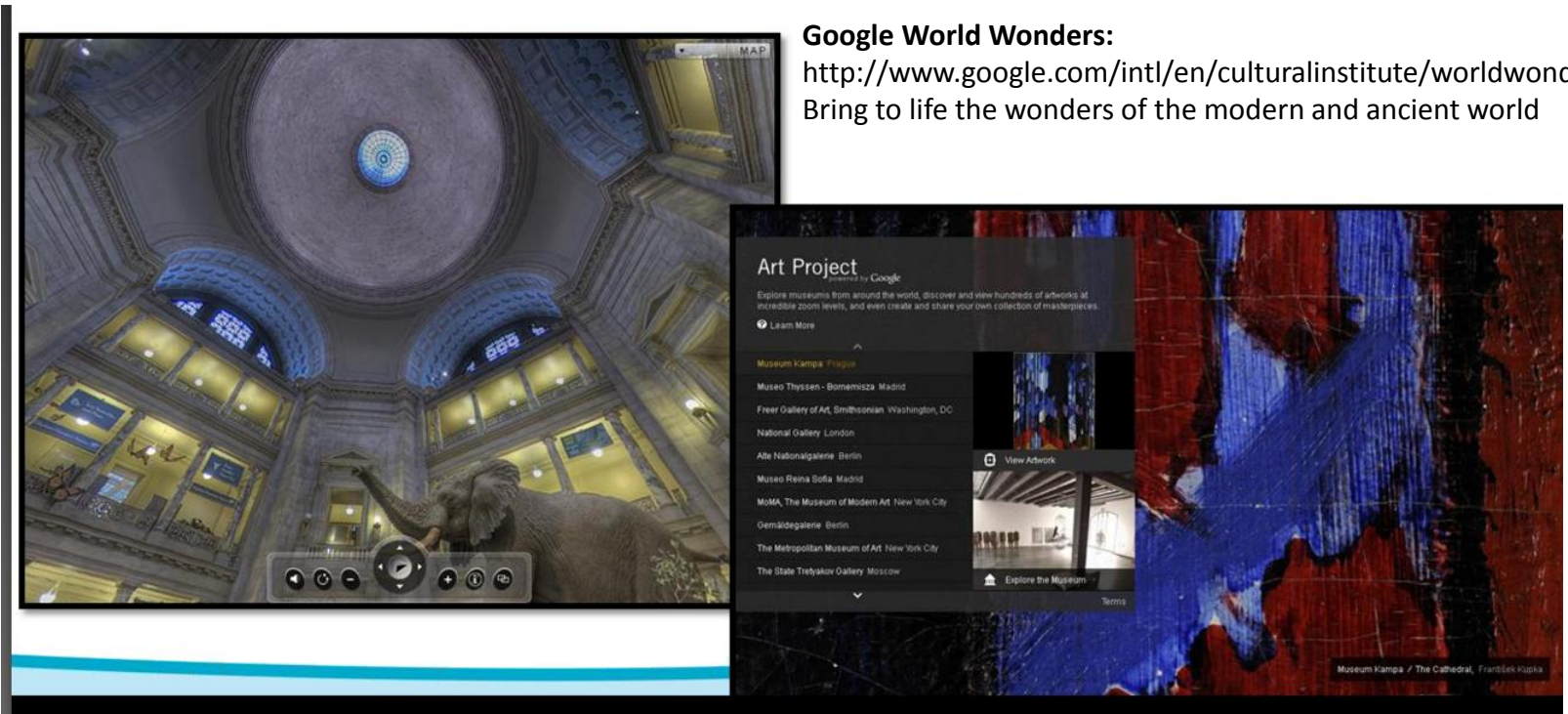
http://www.googleartproject.com   Google Art Project

http://www.mnh.si.edu/panoramas Smithsonian

Google World Wonders:
http://www.google.com/intl/en/culturalinstitute/worldwonders/
Bring to life the wonders of the modern and ancient world

Links

- http://www.nationalservice.gov/
- https://gsn.nylc.org/

Credits

Marshalltown Community College

Wells Fargo Bank

Marshalltown Library

AmeriCorps Vista

Marshalltown Community College Foundation

IT Club

Student Volunteers

Faculty

Staff

Thank You!
Questions ?

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