Low-**Hype** High-**Tech** **Learning Environments**

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Technology in Learning Environments

- Previously,
  only teachers “touched” technology
- Today teachers AND students
  touch a lot of technology, but
  mostly outside of the classroom
- Students typically touch the most
  complex and sophisticated technology

“High-Hype” Technology

- It’s what we “ought” to have
- We can NEVER have enough
- We ought to use it ALL the time
- It does things BETTER than the “old” way
- TODAY’s technology is better
- It is something very SPECIAL !

“Low-Hype” Technology

- It is NOT very SPECIAL
- It’s what we NEED to have
- It’s like a UTILITY
- It needs to be INTEGRATED along with the “old” way
- Technology is constantly CHANGING
- Our students are unimpressed with it

Views of Technology

- Manufacturer/Vendor View
  - High Hype Attitude
- Administrator's View
  - More $$$ = More visibility & impact
- Teacher's View
  - Fear of loosing control
- Student's View
  - Frustration with lack of control

Bridging the Gap

- Technology Literacy
- Start at young age
- After school programs /Homeroom
- Peer tutoring by older students
- Don’t over-simplify technology

To the Bell and Beyond

- 21st Century Fund
  School Improvement Grant
  - Targeted at “Free-Lunch” Students to improve attendance
- After-school program for grades 3-6
- Field experience for pre-service teachers
  - Beginning and intermediate technology integration course

Learning Objectives

- Elementary students
  - Through project-based learning, students will learn how to operate common procedures on popular software programs
- Pre-service teachers
  - Apply knowledge learned about technology integration into a real-life setting
  - Design and implement technology integrated project-based lesson plans
  - Practice implementing learner-centered principles into a classroom setting

Technology Used

- Software
  - Microsoft Word
  - Microsoft PowerPoint
  - Microsoft Excel
  - Inspiration
  - Microsoft Paint
  - Microsoft Internet Explorer

Technology Used

- Hardware
  - Desktop PCs
  - PC Laptops
  - Digital cameras
  - SD cards
  - SD card readers
  - Flash drives
  - Bluetooth Capable

Instructional Strategies - Elementary

- Engaging students through self-expression

Self Expression – Student Work

I Have A Big Mouth

By: Jeremy Shane Wolfe

Self Expression – Student Work

- Once Upon a time I was yelling my friends name Elli. And my father, Jerry said I have a big mouth and that is why this story has began.

Self Expression – Student Work

- Now everybody say's I have a big mouth. It annoys me but I get used to it.

Instructional Strategies - Elementary

- Engaging students through self-expression
- Freedom of choice
  - Technology tools

Freedom of Choice – Student Work

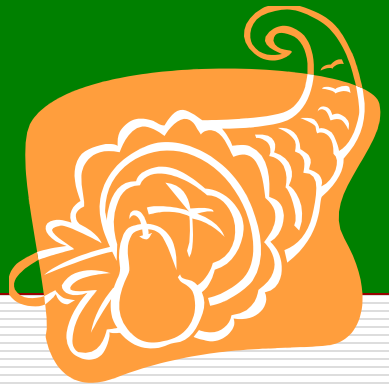
Better and Healthier FOOD

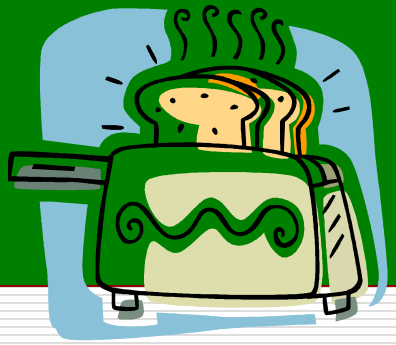
BY STEVEN

AND J.D.

Freedom of Choice – Student Work

Food pyramid tells you what's healthy and what's not healthy. Junk food is really bad for you, have little energy to move and play. If you eat healthy you have more energy for play time.





Freedom of Choice – Student Work

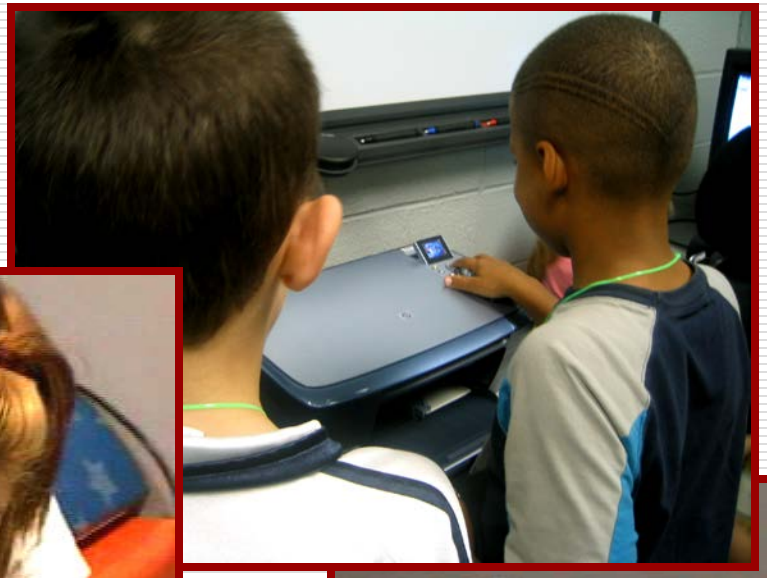
TOP GUN

- WHY WE CHOSE THIS FOR THE KIDES TO KNOW
- ABOUT SCIENCE.
- HOW THE JETS SHOOT THE MISSLES AND
- HOW THAY LOCK ON THE TARGET AND HOW
- TO BUILD THE JET.
- HOW THE SENSORS WORK THAY HAVE A CAMRA
- ON THE PLANE AND THE SCREEN CAN BE ANY COLAR.
- AND THAY LOCK ON THE TARGET. THAY CAN COME
- IN AND TEACH AND TEACH YOU ABOUT TOP GUN.

Instructional Strategies - Elementary

- Engaging students through self-expression
- Freedom of choice
  - Technology tools
- Peer learning
  - Learning communities

Peer Learning – Students at work



Instructional Strategies - Elementary

- Engaging students through self-expression
- Freedom of choice
  - Technology tools
- Peer learning
  - Learning communities
- Simulation of authentic contexts
  - Project-based learning

Simulation of authentic contexts – Student work

Simulation of authentic contexts – Student work

My Shops Daily Sales

By: Shea Robertson

Simulation of authentic contexts – Student work

Things about my shop

- It is a all year round shop.
- It will be located in the college mall.
  Next to claires and L.S arys.
  Call for detailes at 331-4032.
- For more info. E-mail me at
  shea101583@yahoo.com

Simulation of authentic contexts – Student work

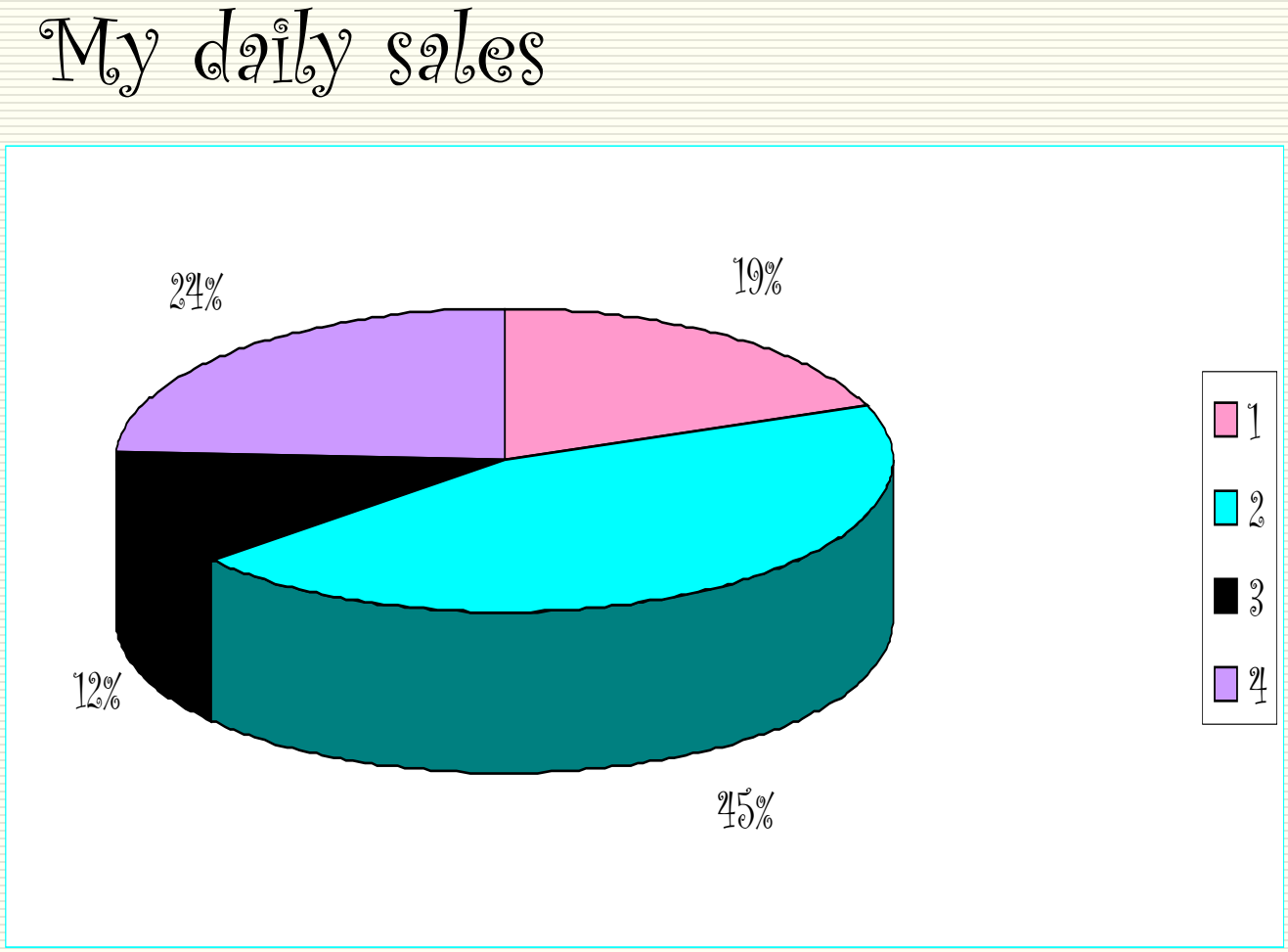
Store front

Simulation of authentic contexts – Student work

My chart of daily sales

items for sale	Prices	M	T	W	TH	M	T	W	TH	Total
shirts	25	1	3	0	3	25	75	0	75	175
hair accessories	5	1	3	3	3	5	15	15	15	50
pants	50	2	0	3	3	100	0	150	150	400
belts	10	2	3	2	3	20	60	20	30	130
prom dresses	100	3	3	1	3	300	900	100	300	1600
		9	12	9	15	450	1050	285	570	2355

Simulation of authentic contexts – Student work



Instructional Strategies – Pre-service

- Hands-on experience
  - Learning while doing
  - Student engagement and rapport
- Modeling
  - Providing guidance vs direct instruction
- Learning community
- Reflection on teaching strategies
  - Strengths and weaknesses

Conclusion

- Bridging the Technology Literacy Gap
- To the Bell and Beyond program
  - Integrating technology to create engaging learning experiences
- NETS-S Standards

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