



BARRY
UNIVERSITY
DIVISION OF NURSING



Teaching with Technology: Using a Wiki in an Undergraduate Nursing Course

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The Net Generation

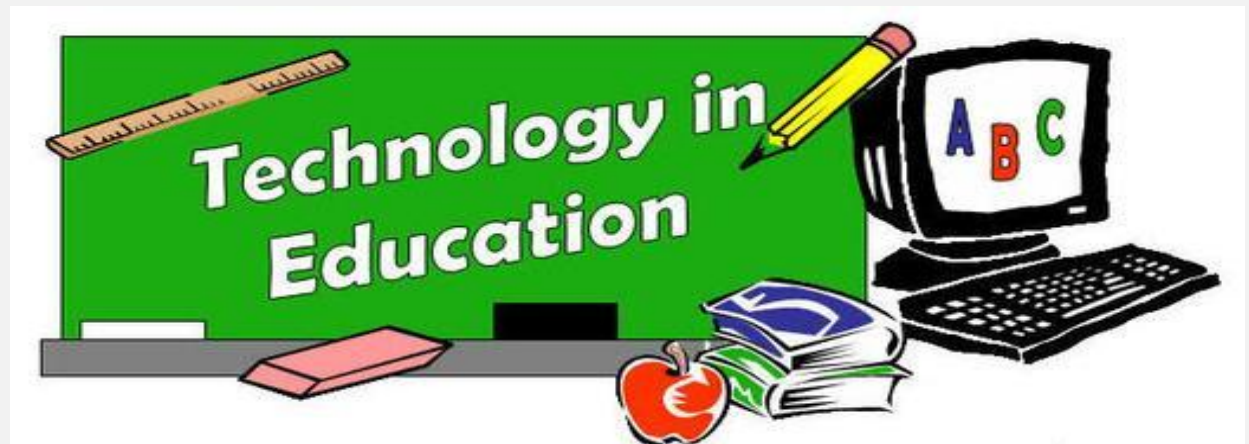
- “Native speakers” of the digital language (Prensky, 2001).
- Interacts frequently with technologies - computers, video games, the Internet, smart phones.
- Challenge for Nurse Educators.





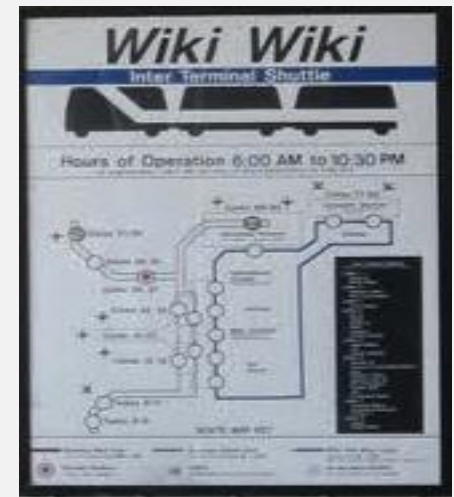
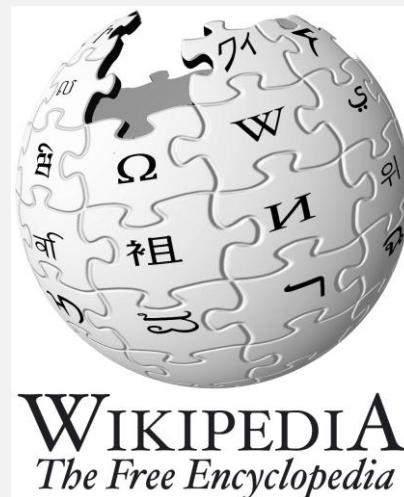
Challenges for Nurse Educators

- Covering increased amounts of content in nursing curricula.
- Using instructional technologies that are interactive and cooperative.
- Active Learning Exercises (ALEs).



What is a Wiki?

- A wiki is a server software that allows users to freely create and edit web page content using any web browser.
- Wiki wiki means “quick” in Hawaiian.
- The largest and most talked about wiki on the internet is Wikipedia.



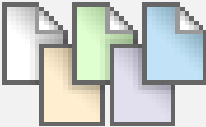


Wiki Use in Nursing Education

- Wikis represent a shift in information technology tools by supporting collaboration and intellectual sharing of ideas (Chawner & Lewis, 2006).
- Multisite nursing education study on CPR performance skills (Kardong-Edgren et al, 2009).
- Community assessment with graduate students (Ciesielka, 2008).
- Wikis in course assignments for graduate and undergraduate students (Collier, 2010).
- Useful in nursing courses for group work, assignments, clinical worksheets.



Wiki

- A collaborative tool on the Blackboard Course Management system. 
- Useful for group projects, collaborative writings, and creating shared course resources.
- Two type of wikis: group or course.
- A wiki consist of pages that can incorporate text, sounds, videos, mashups, images, attached files, and links.
- Students are able to create pages, edit pages, and comment on entries.



How to Create a Wiki on Blackboard

NUR-325-02-1204 NUR CARE FAM: PARNT/CHLD Wikis Create Wiki Edit Mode is: ON

Create Wiki

A Wiki is a collaborative tool that allows Students to contribute and modify one or more pages of Course-related materials. [More Help](#)

★ Indicates a required field. Cancel Submit

1. Wiki Information

★ Name

Instructions Text Editor is: ON

Normal Arial

abc

Path: body

2. Wiki Date and Time Restrictions

Wiki Availability Yes No

Limit Availability Display After
Enter dates as mm/dd/yyyy

Display Until
Enter dates as mm/dd/yyyy

3. Wiki Participation

Student Access Closed to Editing Open to Editing

4. Wiki Settings

Grade Wiki No grading
 Grade : Points possible :

5. Submit

Click Submit to finish. Click Cancel to quit without saving changes. Cancel Submit





Pediatric Wiki Assignment

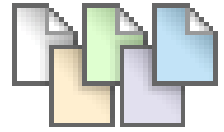
- 22 students
- 5 groups – infants, toddlers, preschool, school-age, adolescent
- 4-5 students per group

A screenshot of a Moodle Wiki page. The page header includes the Barry University logo and navigation tabs for "My Institution" and "Courses". Below the header, the course ID "NUR-325-02-1204 NUR CARE FAM: PARNT/CHLD" and the page title "Wikis" are visible. The main content area is titled "Wikis" and includes a description: "A Wiki is a collaborative tool that allows Students to contribute and modify one or more pages of Course-related materials. [More Help](#)". Below the description is a "Create Wiki" button. A table lists five existing wikis, each with a checkbox, a name, a type, student access, and last modified date. At the bottom right, it says "Displaying 1 to 5 of 5 items" with buttons for "Show All" and "Edit Paging...".

<input type="checkbox"/>	Name	Type	Student Access	Last Modified Date
<input type="checkbox"/>	Injury Prevention Wiki 1- Infants	Group	Open to Editing	12/18/12 8:39 AM
<input type="checkbox"/>	Injury Prevention Wiki 2-Toddlers	Group	Open to Editing	12/18/12 8:40 AM
<input type="checkbox"/>	Injury Prevention Wiki 3-Preschool	Group	Open to Editing	12/18/12 8:41 AM
<input type="checkbox"/>	Injury Prevention Wiki 4-Schoolage	Group	Open to Editing	12/18/12 8:43 AM
<input type="checkbox"/>	Injury Prevention Wiki 5-Adolescent	Group	Open to Editing	12/18/12 8:44 AM



Pediatric Injury Prevention Wiki Guidelines



- **Purpose** - Allow students to incorporate knowledge of growth and development principles and prevention of injuries in children.
- **Supplies/Preparation**
The built-in Wiki tool on the Blackboard course learning management system will be used for this project.
- **Create a wiki to include the following:**
 - A description of the age group
 - Risk factors or hazards for the age group
 - Developmental Characteristics
 - Prevention
- Add images, video, urls, websites, mashups, text, color, etc.
- **Grading rubric.**



Instructions

My Institution Courses

NUR-325-02-1204 NUR CARE FAM: PARNT/CHLD Groups Edit Mode is: ON

All Groups Group Sets

Groups

The Groups tool allows Instructors to organize Students into Groups of any size. Instructors can provide communication and collaboration tools that only Group members can access. Groups can be created as Self-Enroll, Manual Enroll, or Manual Enroll, allowing students to add themselves to a Group, or Manual Enroll, having the Instructor add them to a Group.

Create Single Group Create Group Set Group Settings

Delete	Name	GroupSet	Self-Enroll	Available
<input type="checkbox"/>	Injury Prevention Wiki 1- Infants	Injury Prevention Wiki	No	Yes
<input type="checkbox"/>	Injury Prevention Wiki 2-Toddlers	Injury Prevention Wiki	No	Yes
<input type="checkbox"/>	Injury Prevention Wiki 3-Preschool	Injury Prevention Wiki	No	Yes
<input type="checkbox"/>	Injury Prevention Wiki 4-Schoolage	Injury Prevention Wiki	No	Yes
<input type="checkbox"/>	Injury Prevention Wiki 5-Adolescent	Injury Prevention Wiki	No	Yes
<input type="checkbox"/>	Pain Concept Map 1-Infants	Pain Concept Map	No	Yes
<input type="checkbox"/>	Pain Concept Map 2-Toddlers	Pain Concept Map	No	Yes
<input type="checkbox"/>	Pain Concept Map 3-Preschool	Pain Concept Map	No	Yes

Click on Group

My Institution Courses

NUR-325-02-1204 NUR CARE FAM: PARNT/CHLD Groups > Injury Prevention Wiki 2-Toddlers Edit Mode is: ON

Participation and Grading

Injury Prevention Wiki 2-Toddlers

Create Wiki Page

Toddler Injury Prevention

Created By Indra Hershohin (Not a group member) on Wednesday, November 28, 2012 5:01:42 PM EST
last modified by Lauren Caldevilla on Tuesday, December 4, 2012 3:08:31 PM EST

Edit Wiki Content

Toddlers - Injury Prevention

About This Wiki
Number of Wiki Pages: 1
Number of Comments: 1
Creation Date: 12/18/12 8:40 AM

Injury Prevention Wiki 2-Toddlers
Toddler Injury Prevention

Click on Edit

Injury Prevention in the Preschool Years

Motor Vehicle Crashes

Verify that child is belted in properly before starting the car. Keep the child in a rear-facing seat secured in the back seat until at least 1 year of age and 20 pounds. Forward facing seats and booster seats are used in the back seat. The car seat should be put with the lap belt low and tight across the lap/upper thigh area and shoulder belt snug across the chest and shoulder.

Pedestrian accidents.

Teach child never to go into the road a safe preferably enclosed play yard is recommended. The child should be supervised by an adult at all times.

Drowning

Drowning teach child never to go into water without an adult. Provide supervision whenever child is near water.

Burns

Teach child to stop, drop, and roll if clothes are on fire. Practice escapes from home are useful. A visit to a fire station can reinforce learning. Teach child how to call 911.

Needle Stick Injuries

Keep needles out of reach. Remove from hospital unit immediately after use. Instruct families on safe disposal if a family member uses needles at home (for example, diabetic)

Electrical injuries

Avoid use of electrical cords if possible. Keep equipment out of major traffic areas. Cover any electrical outlets not being used for equipment. Monitor child closely.

Preventable Childhood Accidents: Importance of a Spinal Harness (Seatbelt Injury)

Duration: (1:51)
User: broomr - Added: 7/3/10

[Watch Video](#)

Duration: (6:51)
User: safekidsusa - Added: 5/9/08

[Watch Video](#)

INJURY PREVENTION

In Preschool Years



Description of Age Group

!"# \$%&'()* +,-./:;@<=>?[]\`{|}~" #1234567890!@#\$%^&*()

 01234567890!@#\$%^&*()

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 !"# \$%&'()* +,-./:;@<=>?[]\`{|}~" #1234567890!@#\$%^&*()

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PRESCHOOL AGE (3-6 YRS)

DEVELOPMENTAL CHARACTERISTICS

PHYSICAL SKILLS	COGNITIVE DEVELOPMENT	PLAY	COMMUNICATION
<ul style="list-style-type: none"> HOLDS A BAT, AND THROUGH BALLS OF THROU THREE. PLAY WITH BALLS. WHEELS ABILITIES INCREASES. SKILL TO DRINK WITH TEETH WITH PARENTAL SUPERVISION. 	<ul style="list-style-type: none"> SPILLS OR KNOCKS ARE USED TO REPRESENT OBJECTS AND PEOPLE. PREOPERATIONAL THOUGHT. EQUILIBRIUM. REPRODUCTIVE REACTIONS. CONTRITION. 	<ul style="list-style-type: none"> THE PRESCHOOL AGE CHILD EXHIBITS LARGE MOTOR SKILLS LIKE RUNNING, KICKING, A TRICYCLE AND THROWING BALL. ASSOCIATIVE PLAY INTERACT WITH OTHERS DURING PLAY. FAVORITE LIFE IS PUPPETRY AT THE AGE. DIAGNOSTIC PLAY. 	<ul style="list-style-type: none"> LANGUAGE SKILL DEVELOPING IN THE PRESCHOOL YEARS. THE VOCABULARY GROWS TO OVER 2000 WORDS BREAK IN COMPLETE SENTENCES AND USE ALL PARTS OF SPEECH. THEIR USE OF HEARING IS USUALLY LITERAL.

Risk Factors

<h4>Motorvehicles (Crashes)</h4>	<h4>Pedestrian (accidents)</h4>	<h4>Lake or pool (drowning)</h4>
<h4>Fire (Burns)</h4>	<h4>Needles (needle sticks in hospital and home)</h4>	<h4>Electrical Cords (Electrical injury)</h4>

Group Wiki - Toddlers

Toddlers - Injury Prevention



12/8/12 12:51 PM

Physical Growth & Development

- Rate of growth slows from infancy
- Intake becomes less and more selective
- Birth weight quadrupled
- Body proportion: changing with longer legs and smaller head, not fully present
- Gross motor skills rapidly develop
- Learns skills like running, kicking, and riding a big wheel / tricycle

TODDLERS

AGE 1 TO 3 YEARS

Cognitive Development

- Moves from sensorimotor to preoperational stage
- Early use of language
- Object permanence well developed
- Use of words as symbols around 2 years
- Rudimentary problem solving

- The first adolescence: independence and negativism
- Pride in accomplishments

Personality and Temperament

- Negative reactions to new stimuli
- Use of the word "no"
- Increasing independence

Play

- Social nature of play; enjoy the company of other children
- Parallel play; playing with similar objects side by side
- Imitative play (talking on the phone, cooking)
- Physical skills manifested: push and pull, climb in and out, go up and down, run, turn pages of a book, scribble with a pen or crayon
- Stacking blocks and placing rings on a tower: spatial relationships



Communication

- Imitate words and speech
- Progress from 4-4 words to almost 1000 with use of short sentences
- Nonverbal communication used
- Expressive jargon: unintelligible words with normal speech intonations
- Tentative: due to search for autonomy and independence

Growth and Developmental Milestones of a Toddler

Hazards in Toddlerhood



Falls



Toddlers are at risk for falls because of their ability to move chairs and climb up ladders and counters.



Burns



The toddler is now tall enough to reach certain areas like stove tops which can cause burns. Toddler may also put electrical cords in mouth and walk to fireplaces without understanding the danger and risk of getting burned.

Motor Vehicle Crashes



Toddler may undo seat belt and resist using the car seat.

Drowning



Toddlers are now able to walk to docks or pool decks and can fall in. Even buckets filled with water, toilets, and fish tanks can be a source of a toddler drowning cause of their inability to swim.

Poisoning



The ability to climb onto chairs and cabinets gives access to poisonous substance like medicines, cosmetics, cleaning chemicals that aren't properly store and locked away.

Injury Prevention For Toddlers

Age	Physical Growth	Fine Motor Ability	Gross Motor Ability	Sensory Ability
1-2 years	Gains 227g or more per month Grows 9-12cm during this year Anterior fontanelle closes	By the end of the 2nd year, builds a tower of four blocks, scribbles on paper, can undress self, throws a ball	Runs Shows growing ability to walk Walks up and down stairs a few months after learning to walk with ease. Likes push and pull toys	Visual acuity 20/50
2-3 years	Gains 1.4-2.3kg/year Grows 5-6.5cm/year	Draws a circle and other rudimentary forms. Learns to pour Learning to dress self	Jumps Kicks ball Throws ball overhand	

Hazards	Developmental Characteristics	Preventative Measures
Falls	Toddler is able to move chairs to counters and climb up ladders.	Super vise toddler closely. Provide safe climbing toys. Begin to teach acceptable places for climbing.
Poisoning	Toddlers can climb on chairs and get into cabinets. Cosmetics, medicines and other poisonous substances are easily reached.	Keep medicines and other poisonous materials locked away. Use child resistant containers and cupboard closures. Post the Poison Control Center number (1-800-222-1222) by telephone or in a place where it can be readily seen.
Burns	Toddlers are tall enough to reach stovetops. Toddlers can walk to fireplace and may reach into fire. Electrical cords may be placed in mouth.	Keep pot handles turned inward on stove. Do not burn fires without close supervision. Supervise child during play and keep electrical cords, power strips and other hazards out of reach or covered securely.
Drowning	Toddler can walk onto docks or pool decks. Toddler may stand on or climb seats on boat. Toddler may fall into buckets, toilets and fish tanks and be unable to get top of body out.	Supervise child near any water. Swimming classes do not protect a toddler from drowning. Use child resistant pool covers. Use approved child life jackets near water and boats. Empty buckets when not in use.
Motor Vehicle Crashes	Toddler may be unable to undo seat belt, may resist using car seat.	Toddler is not large enough to use car seat belts. Insist on safety seat use for all trips and position seat in rear seat of car. Verify that the child is belted in properly before starting car. Keep the child in rear-facing seat until at least 1 year of age and 20 pounds, but preferably longer until achieving the highest weight or height recommended for the seat by the manufacturer.

Mashups

12/8/12 12:12 PM



[Watch Video](#)

SIDS prevention

Duration: (5:34)
User: kvptpbs - Added: 7/9/10



[Watch Video](#)

the doctors - shaken baby syndrome

Duration: (1:49)
User: jrbost123 - Added: 3/5/12



[Watch Video](#)

Rear Facing Safety Seats for Infants

Duration: (6:05)
User: aidhcvideos - Added: 3/14/11



Online Communication



[Comments: 4](#)

Comment

Maria said...

Monday, December 3, 2012 7:50:39 PM EST

Hey guys... so Julia.. i Think if you just type everything directly to here the symbols will disappear. I also think if you upload the pics into here they will show. that is what I did.

Indy wil do Description she said and david will do the Development Characteristics.

Lets see how creative we can get =)

Maria said...

Monday, December 3, 2012 7:51:21 PM EST

I also added a video on bike safety for children. if you guys find anymore interesting ones please go ahead and add it.

Julia said...

Tuesday, December 4, 2012 5:02:38 PM EST

Looks great... Wonderful work team!!! Thanks for the helpful feedback Maria. Great videos.

Maria said...

Tuesday, December 4, 2012 5:06:44 PM EST

=) yeyyyyyy!!!! GOOD JOB EVERYONE!!!!



Participation

[Indra Hershori](#) | [My Places](#) | [Home](#) | [Help](#) | [Logout](#)

[My Institution](#) | [Courses](#)

[NUR-325-02-1204 NUR CARE FAM: PARNT/CHLD](#) > [Groups](#) > ... > [Group Wiki](#) > [Participation Summary](#)

 Edit Mode is: ON [?](#)

Participation Summary

Each user's contributions to the Wiki are represented by **Words Modified** and **Page Saves**. If the Wiki is gradable, the participant can be graded by clicking his or her name. [More Help](#)

Name	Words Modified (Number Count)	Words Modified (Percentage)	Page Saves (Number Count)	Page Saves (Percentage)
David	204	22%	7	24%
Indimary	89	9%	4	13%
Indra Hershori (Not a group member)	0	0%	1	3%
Julia	187	20%	10	34%
Maria	437	47%	7	24%

Displaying 1 to 5 of 5 items | [Show All](#) | [Edit Paging...](#)

About This Wiki

Wiki Name: Injury Prevention Wiki 4-Schoolage

Type: Group

Creation Date: 12/18/12 8:43 AM

Pages: 1

Comments: 4

Grade

[Edit Grade](#)

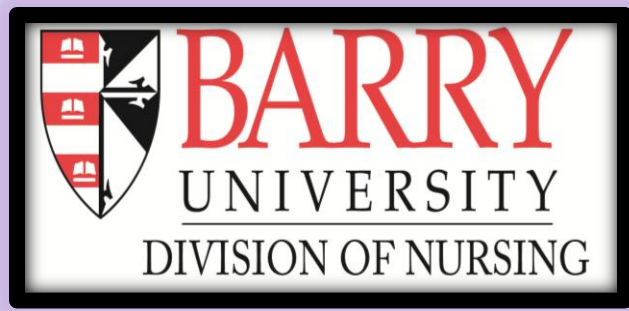
Grade for: All Group Members

Grade: 98 out of 100

Grade Date: 10/25/12 9:26 PM

Feedback: --

Grading Notes: --



Evaluation

- Informal evaluation using open-ended questions in class.
- Positive feedback from students:
 - Good way to collaborate and complete the group work on time.
 - Did not have to physically meet. Save time.
 - Able to add and comment on each others work.
 - Enjoyed online communication.
 - Easy.



Conclusion

- Wiki technology:



Facilitate Collaboration.

Effective communication tool.

Reduce barriers of traditional group work.

Faculty can see progress and group participation.

Actively engages students in the learning process.

Meet the needs of digital learners.



Questions?????

A large, stylized graphic with the words "THANK YOU" in white, bold, sans-serif capital letters. The text is centered within a red, horizontal oval shape. Behind the oval is a bright yellow sunburst or starburst pattern with many sharp points radiating outwards.