Variety is the Spice of Life: Health Science Lesson Ideas From Around the State

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Collaboration Across the Hallway & Across the State

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Health Science Educator

Twin Rivers Career & Technical Education Area
COLLABORATE
\( kə-ˈlə-bə-ˌrāt \)

• “to work jointly with others or together especially in an intellectual endeavor”

Source: https://www.merriam-webster.com/dictionary/collaborate
What’s gained when students collaborate?

• Leadership
• Experience in sharing/exchanging knowledge/’public speaking’
• Working as a team/team member
• Inspire others to explore the topic or course
• Networking
Explore ways to involve students in collaborating with others...
…with students from across the hall

- Invite a class that is related to your content to visit
  - Example: PLTW’s Principles of BioMed, Human Body Systems or Medical Interventions
- Hands-on stations for group learning activities
...with an off-site class from one of your sending schools

• It’s a collaborative field trip for the other class.

• Example: A Sociology ‘Social Problems’ class visited us
  • ‘Mock ER in our class –
    • My students were hospital and ambulance staff
    • Visiting students were patients & family members
  • Scenarios featured ‘social stigmas’
…with students from other CTE schools

- HOSA Day at ISU (WCI-AHEC arranges it)
  - Tours, cadaver lab, lab activities with various majors, Med Term test competition.
  - 3-4 schools

- ‘Mock’ HOSA competition
  - 3-4 schools
  - Like a mock HOSA SLC
  - Several competitions – using HOSA guidelines
* Photos from HOSA days at ISU
• Photos from Mock HOSA

Winners!
…with industry partners from your communities.

• Health Fairs with local healthcare facilities

• Video marketing
  • Current video in production; we were invited to participate, by local hospital (clinical site)

• Servers/ Maitre D at Gala Event for hospital foundation

• Clinicals
  • Good student networking/ hands-on experiences. Collaborating leads to jobs.

Community Health Fair– approx. 20 Health facilities involved. We checked B/P, weights, and BMI
* Photos from gala and clinicals
Remember yourself too! Collaborate with other colleagues…

- During summer break.
- Classroom & teacher social media pages
- IDOE Learning Connection

- Conferences
  - Attend/ socialize
  - Consider presenting/ sharing your ideas

- You will:
  - Gain fresh ideas
  - Share your expertise
  - Have fun
  - Get out of a teaching rut
Interactive and Engaged
Carol Raetz, RN BSN

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Vigo County School Corporation - Health Careers Instructor
Topics

1. Mock Patient/Environment Activity
2. Weekly Worksheet
3. Fitness Testing
Mock
Patient/Environment

Purpose:
Students interact with each other, look for unsafe conditions, and infection control violations
Mock Unsafe Patient/Environment

- Divide class into 2 groups
- Place supplies on over the bed table
Examples of supplies that could be used:
Urinal, bedpan, specimen cup, PPE, chocolate syrup, syringe, oxygen tubing, etc
- Remind students to create realistic situation
Group 1

Take supplies and create a unsafe situation with mannequin and environment
Group 2

Write down all items that are unsafe or violate infection control

Give group 2-3 minutes to complete their list
Switch Groups

After both groups complete scenario:
- Have students write down 10 situations that are realistic
  - Situations that they could see with a patient when they walk into the room
  - Reminds students to always check the patient and their environment for safety
- Water out of reach
- Needle on tray
- Urinal on table (container)
- Gloves on bed
- Catheter out of position
- IV at end of bed
- Apron on not eating
- Bed is raised
- No call light
- Banana on bed
- Pants are down
- No pillow behind head
- Rails are down
- Used napkin
- Patient is uncomfortable
Weekly Worksheet

Purpose- Routine for student, guided reading and a way to get to know student
Weekly Worksheet
1st Year Students

Monday-Friday
Like “Fab Five”
Beginning of class-they know what to do
Saved in Lab
Share-Absent

Monday, Wednesday, Thursday & Friday
Reading assignment
5 Questions pertain to reading
Focused reading-guide to text

Tuesday-
Talk to me
Tuesday
Chance for student to write about themselves
School, Job, Sports, Family, etc

Suicidal, depressed, family problems--can open up on paper
Weekly Worksheet
CNA-2nd Year Students

On the board when they come in Monday, Wednesday, Thursday & Friday--5 Questions about previous lesson/resident care procedure
Tuesday-Talk to me Tuesday
3 Schools- Learn about students from other schools
<table>
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<tr>
<th>Day</th>
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<tbody>
<tr>
<td>Monday</td>
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<td>Tuesday</td>
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<td>Friday</td>
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Fitness Testing

Purpose-interaction with children and importance of being healthy
Fitness Testing

- Local Elementary
- Partnership with local hospital
- Health Career students did pre and post fitness testing on elementary students (beginning and end of year)
- Interacting with younger students
Fitness Testing

Students in Charge of Testing
2-3 students per station:
- jump rope  - sit ups
- push ups   - blood pressure
- pulse     - height & weight
- shuttle run
Collaboration Among Pathways and Partners

BY: LISA SCHAEFER, MBA, RT(R)
INSTRUCTOR MEDICAL ASSISTING CAREERS
My School System

- 2nd largest in the state
- FWCS Career Academy serves ~900 students
- From 22 different High Schools
FWCS Career Academy
-School of Health Science

- Offers five health science programs
  - Intro to Health Careers
  - Intro to Medical Assisting
  - Dental Careers
  - Certified Nursing Assistant
  - Certified Clinical Medical Assistant
All Five Programs Offer

- Dual credit for Medical Terminology
- Dual credit for Intro to Health Careers
- Certification in CPR/First Aid
- Intro Classes and Dental offer:
  - Healthcare OSHA certification
- Additional certifications available: CNA and CCMA
- All students become HOSA members
Certification CCMA

- Certified Clinical Medical Assistant
  - Front office duties
  - Back office clinical duties
Greatest Challenge
Close Reading
Literacy Strategy 2

Two-Column Notes
Collaboration Among Partners
Benefits to Collaboration

- Gives clarity to the vision of college to our students
- Enhances our curriculum offering by working together with Ivy Tech facility
- Potentially increases our dual credit offerings
- Access to simulation labs and college lab classrooms
- Improved relationship with Parkview Health for priority student employment
- Enhances student professionalism by students mingling with business professionals and college students
- Thank You!!!
Collaboration Among Pathways

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Orientation to FWCS School of Health Sciences

**Orientation Courses**

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<td>Orientation Courses</td>
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<td>Welcome to CTE</td>
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<td>Welcome to HOSA</td>
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<tr>
<td>Legal Issues in Medicine 101</td>
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<tr>
<td>Legal Issues in Medicine 102</td>
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<tr>
<td>Legal Issues in Medicine 103</td>
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<tr>
<td>History of the Practice of Medicine</td>
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<tr>
<td>Therapeutic Communication 101</td>
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<td>Therapeutic Communication 102</td>
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<td>Therapeutic Communication 103</td>
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<tr>
<td>Therapeutic Communication 104 (movie)</td>
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<td>Introduction to Body Mechanics</td>
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<td>Workplace Safety 101</td>
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<td>Workplace Safety 102</td>
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<td>Study Skills 101</td>
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<td>Study Skills 102</td>
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<td>Study Skills 103</td>
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<td>Medical Math 101</td>
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<td>Medical Math 102</td>
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<td>Medical Math 103</td>
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<td>Medical Math 104</td>
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<td>Professionalism 101</td>
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**Skill Checkoffs**

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<tr>
<td><strong>Skill Checkoffs</strong></td>
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<tr>
<td>Skills</td>
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<tr>
<td>Two-Patient Identifiers &amp; Assist Healthy Patient</td>
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<tr>
<td>Heavy Object Lift</td>
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<td>Assist Wheelchair Patient</td>
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<tr>
<td>Handwashing</td>
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<tr>
<td>Don/Remove PPE</td>
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<tr>
<td>Cleaning Up a Spill</td>
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<tr>
<td>Infectious Environment</td>
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<tr>
<td>Fire Extinguishers P.A.S.S.</td>
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**Course Descriptions**

**Welcome to CTE**

What CTE means
Describe the standard student must adhere to
Discuss Industry Certifications
Discuss Ivy Tech Accuplacer

**Welcome to HOSA**

Introduce student organization HOSA
Teambuilding