

Ruth's Online and Brain-based Learning Quiz

Aha! It's just as I thought! Brain-based learning and online learning ARE complementary!!! You can imagine my excitement....

The evollution

ILLUMINATING THE LIFELONG LEARNING MOVEMENT

In this online magazine (www.evollution.com) we have an article called How Can Neuroscience Inform Online Adult Education? by Jane Terpstra. Fascinatingly, Professor Jane Terpstra is the Emerita Director of Distance Education and Professional Development at the University of Wisconsin-Madison! I wonder if any Stout faculty know her or are familiar with her work.

Professor Terpstra knows from brain-based learning, let me tell you. She's writing about neuroscience, its foundation. She accurately connects the neuroscience with education but doesn't call it brain-based learning, which may actually be a wonderful thing. Although there doesn't seem to be much online activity in brain-based learning *per se* in the last few years, the gifts of this field have been making their way into education without its cumbersome albeit functional label. Brain-based learning may have been doing its job without heralding itself! I can see its connection to online learning because I'm experiencing it every day in the pedagogy.

Please read this article and answer the questions in the following quiz. I hope you will find this information fascinating and ultra-relevant, as I happily do!

References:

(All direct quotes in quiz are taken from Professor Terpstra's article.)

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Grading method: Highest grade

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Question 1

Correct

Mark 2.00 out of 2.00

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Brains stop growing (developing) when children become adults.

Select one:

- True
- False ✓

[Check](#)

Right! "Brains continue to update and develop throughout life."
The correct answer is 'False'.

Question 2

Correct

Mark 1.00 out of 1.00

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The entire body is part of the learning process.

Select one:

- True ✓
- False

[Check](#)

True! "Learning itself involves the whole body, not just the brain."
The correct answer is 'True'.

Question 3

Partially correct

Mark 3.75 out of 5.00

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Learning how to learn is called meta ✓.

[Check](#)

Close! Learning how to learn is called metacognition.
The correct answer is: metacognition

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Question 4
Correct
Mark 1.00 out of 1.00
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The author paraphrases Meyer (2003) as saying that with distance learning, the brain adapts to the technology by imagining a community of learners, and therefore other adaptations are necessary to create emotional connections, such as language.

Select one:

- True ✓
- False

Check

Yup! Good job.
The correct answer is 'True'.

Question 5
Incorrect
Mark 0.00 out of 1.00
Flag question
Edit question

The author paraphrases Wlodkowski (2008) when she writes that, to be motivated to learn, adults must feel included and **acknowledged** ✗.

Check

The correct answer is: respected

Question 6
Partially correct
Mark 5.00 out of 10.00
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Paraphrasing Zull (2011), Professor Terpstra suggests a number of cognitive and metacognitive strategies to increase learning, such as providing a discovery environment, encouraging joyful learning, and solving problems creatively. She goes on to infer that when combined with adult online learning, these and other strategies produce some of the following recommendations:

Select one or more:

- 1. Inquiry
- 2. Multimedia
- 3. Express different learning styles ✓
Wonderful!
- 4. Flexible deadlines to reduce stress and anxiety

Wonderful!

- 4. Flexible deadlines to reduce stress and anxiety
- 5. Opportunities for reflection
- 6. Role play and other games

Check

The correct answer is: Inquiry , Multimedia , Express different learning styles , Flexible deadlines to reduce stress and anxiety , Opportunities for reflection , Role play and other games

Question 7
Partially correct
Mark 2.00 out of 5.00
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Professor Terpstra again paraphrases, this time Clemons (2005), who offers the following nouns to match up with successive verbs in order to maximize online learning:

Encouragement	Encourage interactions	✗
Engagement	Maintain attention	✗
Surprise	Maintain attention	✓
Humor	Relieve anxiety	✓
Activities	Learning	✗

Check

The correct answer is: Encouragement – Steady, Engagement – Learning, Surprise – Maintain attention, Humor – Relieve anxiety, Activities – Encourage interactions

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Question	Status	Marks
1	Correct	2.00
2	Correct	1.00
3	Partially correct	3.75
4	Correct	1.00
5	Incorrect	0.00
6	Partially correct	5.00
7	Partially correct	2.00

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