

## VR in STEM Education and Outreach – Brown, et al.

### Appendix A. Post-survey

Rate your satisfaction with using the anatomy VR program (1 being unsatisfied and 5 being very satisfied)

1      2      3      4      5

Rate your satisfaction with using the anatomy iPad program (1 being unsatisfied and 5 being very satisfied)

1      2      3      4      5

How motivated did you feel to use the anatomy VR program? (1 being not motivated, 5 being very motivated)

1      2      3      4      5

How motivated did you feel to use the anatomy iPad program? (1 being not motivated, 5 being very motivated)

1      2      3      4      5

How engaged did you feel while using VR? (1 being not engaged and 5 being very engaged):

Overall Engagement in VR	1	2	3	4	5
Engagement with peers	1	2	3	4	5
Engagement with mentors	1	2	3	4	5
Engagement with anatomical content	1	2	3	4	5

How engaged did you feel while using Zoom? (1 being not engaged and 5 being very engaged):

Overall Engagement with Zoom	1	2	3	4	5
Engagement with peers	1	2	3	4	5
Engagement with mentors	1	2	3	4	5
Engagement with anatomical content	1	2	3	4	5

How comfortable were you during VR interactions? (1 being the lowest and 5 being highest):

Overall comfort with VR	1	2	3	4	5
Comfort with peers	1	2	3	4	5
Comfort with mentors	1	2	3	4	5
Comfort with anatomical content	1	2	3	4	5

How comfortable were you during Zoom interactions? (1 being the lowest and 5 being highest):

Comfort with BanAnatomy program	1	2	3	4	5
Comfort with peers	1	2	3	4	5
Comfort with mentors	1	2	3	4	5
Comfort with anatomical content	1	2	3	4	5

Do you have a preference between meeting with mentors using VR or Zoom?

\_\_\_ VR    \_\_\_ Zoom/iPad

Explain:

What did you like the most about the VR/iPad program?

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What did you not like about the VR/iPad program?

How has VR helped you in human anatomy? Select all that apply.

- Anatomical systems (Nervous, Muscular...)
- Recall of anatomical structures
- Functions of anatomical structures (what they do, what they innervate)
- Spatial relationships (Location of structures to one another)
- Using anatomical knowledge to solve a problem
- Understanding anatomical images in a book
- Other: \_\_\_\_\_

In the future, would you use VR in a STEM course again?

- Yes, a fully VR course
- As a supplemental tool
- No
- Maybe

Explain why:

What are your plans after high school (select all that apply)?

- Attend a community college full time
- Attend a 4 year university full time
- Attend a trade school
- Travel abroad
- Work part/full time
- Join the military
- Other (please specify): \_\_\_\_\_
- None of the above

If you chose to attend a college/university in the future, what major? Otherwise, skip this question.

- STEM (Science/Technology/Engineering/Math)
- Business
- Social Sciences
- Liberal Arts/Humanities
- Education
- Don't know yet!