

CSD3120 Team 21 VR Questionnaire

The purpose of this questionnaire is to evaluate the users on:

1. Flow State Scale
2. Virtual Reality Sickness

To further improve our immersive Chemistry lesson in a virtual reality environment.

Survey is done after attempting our Chemistry lesson using Oculus Quest 2.



Flow State Scale

To what extent did you feel fully absorbed and immersed in the chemistry lesson while using ^{*} the Oculus Quest 2?

Not at all

1 ☒

2 ☐

3 ☐

4 ☐

5 ☐

Very much

How challenging did you find the chemistry lesson experience using the Oculus Quest 2? ^{*}

Not at all

1 ☐

2 ☐

3 ☐

4 ☒

5 ☐

Very much

How skilled and capable did you feel while using the Oculus Quest 2 to complete the chemistry lesson? *

Not at all

1 ☐

2 ☒

3 ☐

4 ☐

5 ☐

Very much

How automatic and effortless did the use of the Oculus Quest 2 feel while performing the chemistry lesson? *

Not automatic at all

1 ☐

2 ☒

3 ☐

4 ☐

5 ☐

Very automatic

Did you lose track of time during the chemistry lesson experience using the Oculus Quest 2? *

☐ Yes

☒ No

How rewarding did you find the experience of completing the chemistry lesson using the Oculus Quest 2? *

Not rewarding at all

1 ☐

2 ☐

3 ☒

4 ☐

5 ☐

Very rewarding

Was your attention deviated from the chemistry lesson at any point of time? *

☒ Yes

☐ No

Did your movements feel natural during the chemistry lesson? (Did not have to think) *

☐ Yes

☒ No

Virtual Reality Sickness

Did you experience any discomfort or nausea while using the Oculus Quest 2 to complete the chemistry lesson? *

☒ Yes

☐ No

If yes, please describe the level of discomfort or nausea you experienced while using the Oculus Quest 2 for the chemistry lesson. (Mild, moderate, severe, extreme)

mild discomfort

Did you feel disorientated or confused while using the Oculus Quest 2 for the chemistry lesson? *

☒ Yes

☐ No

How long did you use the Oculus Quest 2 for the chemistry lesson before experiencing any discomfort or nausea? *

☐ < 5 mins

☒ 5 mins - 15 mins

☐ 15 mins - 30 mins

☐ > 30 mins

☐ Did not get nauseous at all

Did you feel any motion sickness while using the Oculus Quest 2 for the chemistry lesson? *

☒ Yes

☐ No

Did you feel any eye strain or headaches while using the Oculus Quest 2 for the chemistry lesson? *

☐ Yes

☒ No

How clear was your spatial awareness? *

Confusing

1 ☐

2 ☒

3 ☐

4 ☐

5 ☐

Very Clear

How difficult was it to use the Oculus Quest 2 controllers to navigate the scene? *

Very easy

1 ☐

2 ☐

3 ☒

4 ☐

5 ☐

Very difficult

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