

Start of Block: Gauge AM Interest

**Interest and motivation about additive manufacturing (3D printing).**

Please rate your agreement with the following statements.

	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
I am interested in <b>learning about</b> additive manufacturing.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am interested in <b>using</b> additive manufacturing.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am motivated to <b>learn about</b> additive manufacturing.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am motivated to <b>use</b> additive manufacturing.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

End of Block: Gauge AM Interest

SHOWN ONLY IF PARTICIPANT WAS ASSIGNED TO CAI CONDITION

Start of Block: CAD comfort assessment

**What is your comfort level in interacting with 3D models on a computer screen?**

Some examples of experiences you may relate to that could suggest your comfort level for this study could be:

- Interacting with 3D models of game objects in video games.
- Interacting with 3D models of consumer products, such as furniture, on websites.
- Interacting with 3D models on computer aided design (CAD) or any 3D modeling software.

**Please choose from the following options that best characterizes your comfort in working or interacting with 3D models.**

- I have never worked or interacted with 3D models before this.
- I am slightly comfortable working or interacting with 3D models.
- I am comfortable working or interacting with 3D models.
- I am extremely comfortable working or interacting with 3D models.
- I am an expert on working or interacting with 3D models and can proficiently maneuver and navigate a 3D experience.

*Skip To: End of Block If What is your comfort level in interacting with 3D models on a computer screen? Some examples of... = I have never worked or interacted with 3D models before this.*

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**Please elaborate on any experiences you've had that could have contributed to your comfort level in working or interacting with 3D models.**

For e.g., a semester long course on Solidworks, 3DS Max, Blender, or Unity.

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**How many years of experience do you have working or interacting with 3D models?**

You may type '0.25' if you had three months' worth of experience.

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End of Block: CAD comfort assessment

SHOWN ONLY IF PARTICIPANT WAS ASSIGNED TO VR CONDITION

Start of Block: VR comfort assessment

**What is your comfort level in interacting with 3D models in virtual reality (VR)?**

Some examples of experiences you may relate to that could suggest your comfort level for this study could be:

- Interacting with 3D models of game objects in VR video games.
- Interacting with 3D models of consumer products, such as furniture, on websites in VR.
- Interacting with 3D models on computer aided design (CAD) or any 3D modeling software in VR.

**Please choose from the following options that best characterizes your comfort in working or interacting with 3D models in VR.**

- I have never worked or interacted with VR 3D models before this.
- I am slightly comfortable working or interacting with VR 3D models.
- I am comfortable working or interacting with VR 3D models.
- I am extremely comfortable working or interacting with VR 3D models.
- I am an expert on working or interacting with VR 3D models and can proficiently maneuver and navigate a virtual 3D experience.

*Skip To: End of Block If What is your comfort level in interacting with 3D models in virtual reality (VR)? Some examples... = I have never worked or interacted with VR 3D models before this.*

**Please elaborate on any experiences you've had that could have contributed to your comfort level in working or interacting with 3D models in VR.**

For e.g., a semester long course on VR, or working in VR design in 3DS Max, Blender, or Unity.

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**How many years of experience do you have working or interacting with 3D models in VR?**

You may type '0.25' if you had three months' worth of experience.

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End of Block: VR comfort assessment

Start of Block: AM comfort assessment

**What is your awareness with additive manufacturing (also commonly known as 3D printing) topics?**

Please choose from the following options that best characterizes your knowledge in additive manufacturing.

- I have never heard or learnt about additive manufacturing or 3D printing before this.
- I have some informal knowledge/education about additive manufacturing (3D Printing).
- I have received some formal knowledge/education on additive manufacturing (3D Printing).
- I have received lots of formal knowledge/education on additive manufacturing (3D Printing).
- I am an expert on additive manufacturing and can proficiently print parts.

*Skip To: End of Block If What is your awareness with additive manufacturing (also commonly known as 3D printing) topics? P... = I have never heard or learnt about additive manufacturing or 3D printing before this.*

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**Please elaborate on what kind of experiences you've had that could have contributed to your awareness in additive manufacturing.**

For e.g., a semester long course on additive manufacturing processes.

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**How many years of experience do you have with additive manufacturing (3D Printing)?**

You may '0.25' if you had three months' worth of experience.

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End of Block: AM comfort assessment