M319: AP Computer Science Principles Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Performance Task: Explore

Research Template Date: \_\_\_\_\_\_ Teacher: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| *Source Author:* | Camilla Blach Rossen, Bodil Sørensen, Bente Würtz Jochumsen & Gitte Wind |
| *Source Title:* | Everyday life for users of electric wheelchairs – a qualitative interview study |
| *Full Citation:*  *MLA8 from* [*easybib.com*](http://www.easybib.com) | Rossen, Camilla Blach, et al. “Everyday Life for Users of Electric Wheelchairs – a Qualitative Interview Study.” *Everyday Life for Users of Electric Wheelchairs - A Qualitative Interview Study*, VIA University College, 17 Mar. 2012, https://www.researchgate.net/profile/Camilla\_Rossen/publication/221712715 \_Everyday\_life\_for\_users\_of\_electric\_wheelchairs\_-\_A\_qualitative\_ interview \_study/links/58bd6498a6fdcc2d14ea2167/Everyday-life-for-users-of-electric-wheelchairs-A-qualitative-interview-study.pdf |
| *Permalink/URL:* | <https://www.tandfonline.com/doi/abs/10.3109/17483107.2012.665976> |

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| *In 1-2 sentences, describe what makes this a* ***relevant****,* ***credible****, and* ***easily-accessible*** *source:\** | |
| *Relevant:* | Interviews people in wheelchairs |
| *Credible:* | **From accredited college** |
| *Easily-Accesible:* | **Through url** |
| \*If you determine that this isn’t a relevant, credible, and easily-accessible source, then you CANNOT use it. | |

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| *Quote, Fact, or Statistic From Article:* | | |
| The purpose of the electrical wheelchair is to allow people with mobile disabilities an easier way of moving around and doing stuff with minimal help from others. It does this by seeing which way the user moves a joycon on the wheelchair, and then adjusting the wheelchair by turning the wheels and changing the rpm to satisfy what the joycon was saying. | | |
| *Categorize:* | | |
| Description  *Select one:*  Purpose  Function | Effect  *Select one:*  Beneficial  Harmful  *Select one:*  Society  Culture  Economy | Data    *Select one:*  What data it uses  How it uses data (input)  What data it produces  (output)  Data *storage* concern  Data *privacy* concern  Data *security* concern |

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| --- | --- |
| *Source Author:* | Camilla Blach Rossen, Bodil Sørensen, Bente Würtz Jochumsen & Gitte Wind |
| *Source Title:* | Living with an electric wheelchair–the user perspective |
| *Full Citation:*  *MLA8 from* [*easybib.com*](http://www.easybib.com) | Stenberg, G., Henje, C., Levi, R., Lindström, M. (2016) Living with an electric wheelchair: the user perspective. Disability and Rehabilitation: Assistive Technology, 11(5): 385-394, 14 Oct. 2019 http://dx.doi.org/10.3109/17483107.2014.968811 |
| *Permalink/URL:* | <https://www.tandfonline.com/doi/full/10.3109/17483107.2014.968811> |

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| *In 1-2 sentences, describe what makes this a* ***relevant****,* ***credible****, and* ***easily-accessible*** *source:\** | |
| *Relevant:* | Interviews people in wheelchairs |
| *Credible:* | **Published in magazine** |
| *Easily-Accesible:* | **Through URL** |
| \*If you determine that this isn’t a relevant, credible, and easily-accessible source, then you CANNOT use it. | |

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| *Quote, Fact, or Statistic From Article:* | | |
| “Benefits such as social inclusion, choice, and engagement, occurring because of participation, may potentially be achieved by many different activities.” | | |
| *Categorize:* | | |
| Description  *Select one:*  Purpose  Function | Effect  *Select one:*  Beneficial  Harmful  *Select one:*  Society  Culture  Economy | Data    *Select one:*  What data it uses  How it uses data (input)  What data it produces  (output)  Data *storage* concern  Data *privacy* concern  Data *security* concern |

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| *Quote, Fact, or Statistic From Article:* | | |
| “They experienced a lack of sympathy from service staff concerning how dependent they were on their electric wheelchairs.” | | |
| *Categorize:* | | |
| Description  *Select one:*  Purpose  Function | Effect  *Select one:*  Beneficial  Harmful  *Select one:*  Society  Culture  Economy | Data    *Select one:*  What data it uses  How it uses data (input)  What data it produces  (output)  Data *storage* concern  Data *privacy* concern  Data *security* concern |

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| *Source Author:* | **mary Gannon** |
| *Source Title:* | How do I choose a joystick controller for my mobile machine? |
| *Full Citation:*  *MLA8 from* [*easybib.com*](http://www.easybib.com) | Gannon, Mary. “How Do I Choose a Joystick Controller for My Mobile Machine?” *Mobile Hydraulic Tips*, Mobilehydraulictips.com, 28 June 2019, www.mobilehydraulictips.com/how-do-i-choose-a-joystick-controller-for-my-mobile-machine/. |
| *Permalink/URL:* | <https://www.mobilehydraulictips.com/how-do-i-choose-a-joystick-controller-for-my-mobile-machine/> |

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| *In 1-2 sentences, describe what makes this a* ***relevant****,* ***credible****, and* ***easily-accessible*** *source:\** | |
| *Relevant:* | Interviews people in wheelchairs |
| *Credible:* | **Made by people in wheelchair** |
| *Easily-Accesible:* | **Through URL** |
| \*If you determine that this isn’t a relevant, credible, and easily-accessible source, then you CANNOT use it. | |

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| *Quote, Fact, or Statistic From Article:* | | |
| “Electronic joysticks create analog electrical outputs, such as 4-20 mA or 0-5 V, for example, which is fed to either a proportional valve controller or the primary machine controller.” | | |
| *Categorize:* | | |
| Description  *Select one:*  Purpose  Function | Effect  *Select one:*  Beneficial  Harmful  *Select one:*  Society  Culture  Economy | Data    *Select one:*  What data it uses  How it uses data (input)  What data it produces  (output)  Data *storage* concern  Data *privacy* concern  Data *security* concern |

|  |  |
| --- | --- |
| *Source Author:* | **Author INV** |
| *Source Title:* | Considering a power wheelchair? – What you need to know |
| *Full Citation:*  *MLA8 from* [*easybib.com*](http://www.easybib.com) | INV, Author. “Considering a power wheelchair? – What you need to know” *INVACARE*, <https://www.passionatepeople.invacare.eu.com/power-wheelchair/> |
| *Permalink/URL:* | <https://www.passionatepeople.invacare.eu.com/power-wheelchair/> |

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| *In 1-2 sentences, describe what makes this a* ***relevant****,* ***credible****, and* ***easily-accessible*** *source:\** | |
| *Relevant:* | Made by wheelchair experts |
| *Credible:* | **Did research** |
| *Easily-Accesible:* | **Through URL** |
| \*If you determine that this isn’t a relevant, credible, and easily-accessible source, then you CANNOT use it. | |

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| *Quote, Fact, or Statistic From Article:* | | |
| Electric Wheelchairs are designed per person making them personalized to people. This is important as this can help keep some people alive if they need specific conditions. If the person changes their settings on their computer, it can drastically change their way of life. | | |
| *Categorize:* | | |
| Description  *Select one:*  Purpose  Function | Effect  *Select one:*  Beneficial  Harmful  *Select one:*  Society  Culture  Economy | Data    *Select one:*  What data it uses  How it uses data (input)  What data it produces  (output)  Data *storage* concern  Data *privacy* concern  Data *security* concern |

*Note: If you require more entries for this source, you can use copy-paste to add more.*