Lab – Research Laptop Screens (Instructor Version)

**Instructor Note**: Red font color or gray highlights indicate text that appears in the instructor copy only.

In this activity, you will use the Internet or a local store to gather information and then record the specifications for a laptop display onto this worksheet.

**Instructor Note**: You may choose another laptop screen to research. The answers below are specific to the Lenovo P51s.

* 1. Research and list the specifications for a replacement laptop screen. Please ask your instructor for the laptop model to research.

|  |  |
| --- | --- |
| Screen Specifications | Display Screen |
| Type | Active Matrix TFT Color LCD |
| Size | 15.6" (396mm) |
| Resolution | FHD (1920x1080) or 4K (3840x2160) |
| Backlight Type | LED |

* 1. When replacing a laptop screen, the replacement screen must match many, if not all specifications of the original screen. Research and list which specifications must match the original display screen.

Type your answers here.

These specifications must match the original display screen: size, resolution, and backlight.

* 1. Shop around and in the table below list the features and cost of two replacement screens for a laptop.

|  |  |  |
| --- | --- | --- |
| Screen Specifications | Replacement #1 | Replacement #2 |
| Type | LCD | LCD |
| Size | 15.6” | 15.6” |
| Resolution | FHD (1920x1080) | 4K (3840x2160) |
| Backlight Type | LED | LED |
| Approximate cost | $56 | $100 |
| Warranty | Lifetime | 12-month |

* 1. Based on your research, which replacement screen would you select? Be prepared to discuss your decisions regarding the screen you select.

Type your answers here.

Student may choose a specific resolution, but must be prepared to explain his/her decision.

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