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| **Internet Dilemmas** |

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| **Your Tasks (Mark these off as you go)** |
| Assign group roles  Define key vocabulary  Group up and share out  Brainstorm technological innovations  Nominate an idea  Brainstorm an infographic  Create your infographic  Receive credit for this lab guide |

* **Assign group roles**

Before you continue, collaborate with your group, and assign each person a role. Each role and a description are provided below. Record the role of each group member below,

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| **Project manager (PM)** | Leads the team discussion and keeps the team on task and on schedule. Make sure the final lab is submitted. |
| **Recorder (R)** | Records answers for the team, or ensures that all members have correct answers. |
| **Communication Specialist (CS)** | Presents answers (or questions) to the class, instructor, or other teams. |
| **Strategic Analyst (SA)** | Considers how the team is working and ensures all voices are heard |

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| **Name** | **Role** |
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* **Define key vocabulary**

**Net neutrality**

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**Internet Censorship**

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**Digital Divide**

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* **Choose a dilemma**

Today, you are going to pretend that you are the Technology Advisory Team for a candidate running for elected office. Your candidate is relying on you to help inform her about important technological dilemmas and come up with good policy ideas to address them. You will investigate a social dilemma related to the Internet and prepare a report summarizing your findings and make a policy recommendation for your candidate.

Review the three of the different dilemmas: Net Neutrality, Internet Censorship, and the Digital Divide. Then circle the dilemma your team will investigate.

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| **Net Neutrality** | **Internet Censorship** | **The Digital Divide** |
| **Background:** Internet users love services like streaming movies, video chatting, or online gaming. All of this content needs to travel over the Internet, however, and the companies that build and maintain networks are complaining about the increased demands being placed on their networks. Your candidate is hearing more and more about a debate called “net neutrality” and would like a more informed opinion as part of her platform. | **Background:** While the Internet is used to share many useful services and information, there are growing concerns about the way that the Internet can be used to spread damaging information ranging from national secrets to calls for violence. Censoring this information may provide some people with increased security, but potentially risks free speech and the safety of social and political activists. Your candidate would like to have a policy that  balances these two concerns in a way that makes sense for our digital age. | **Background:** While technology is increasingly integrated into daily life, there are still many who lack access to the Internet or digital technology. In rural areas there are challenges building networks to connect geographically sparse populations, but even in cities some groups or areas have relatively less access to the Internet or knowledge of how to use it. Your candidate is worried that while technology is bringing social and economic benefits to many, there are others being left behind. |
| **Core Question:** When and how should internet service providers be allowed to treat some kinds of  internet traffic different from others? | **Core Question:** When and how should the government be allowed to censor or block internet traffic, if at all? | **Core Question:** When and how should resources be invested to close gaps between those who do and don’t use the Internet? |
| **Impacted Groups**   * Internet Service Providers (ISP) * Internet Content Provider * Everyday internet Users | **Impacted Groups**   * Everyday internet user * Intelligence Agencies * Political activists | **Impacted Groups**   * Those lacking internet access * Internet Service Providers (ISP) * Schools and libraries |
| **Sources**   * "How the end of net neutrality could change the internet" (video): [link](https://www.youtube.com/watch?v=HqXKEgTYZBQ) * "'Net Neutrality' is ending. Here's how your internet could change" (article): [link](https://www.pbs.org/newshour/nation/net-neutrality-is-ending-heres-how-your-internet-use-could-change) * "Wikipedia - Net Neutrality": [link](https://en.wikipedia.org/wiki/Net_neutrality) | **Sources**   * "Free Speech Or Hate Speech: When Does Online Hate Speech Become A Real Threat?" (audio article): [link](https://www.npr.org/2018/11/19/669361577/free-speech-or-hate-speech-when-does-online-hate-speech-become-a-real-threat) * "Internet Censorship Explained" (video): [link](https://www.youtube.com/watch?v=6ohH-RkSLo4) * Wikipedia - Internet Censorship: [link](https://en.wikipedia.org/wiki/Internet_censorship) | **Sources**   * "Eliminating the Digital Divide" (video): [link](https://www.pbs.org/video/eliminating-digital-divide-ihdcln/) * "Internet/Broadband Fact Sheet" (article): [link](https://www.pewresearch.org/internet/fact-sheet/internet-broadband/) * Wikipedia - the Digital Divide: [link](https://en.wikipedia.org/wiki/Digital_divide) |

* **Brainstorm technological innovations**

People seem to say that technology is all around us, that it affects everything we do. Is that true? Technological innovation is about recognizing a problem that needs to be solved, or recognizing something that needs improving and then building a tool to solve it.

Go around the group, and for each individual's area of interest:

* Identify how technology affects your thing
* Then, make a suggestion for how technology could be applied to improve or solve a problem with your thing

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| **Thing** | **How is technology used with or affects the thing** | **How might technology be used to improve or solve a problem with the thing** |
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* **Nominate an idea**

As a group you have just brainstormed about technology ideas. Now, come together and get excited about one of them. As a group, nominate the idea you’ve discussed that you think would be the most interesting to everyone else in the class. Complete the questions below.

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| **Innovation:** | |
| **What does the technological innovation enable you to do?** |  |
| **What is the task you want to improve?** |  |
| **How do people currently do the task that you are wanting to improve?** |  |
| **What is a problem or issue with the way this task is done and how does your innovation solve or make it better?** |  |
| **What are some reasons that might prevent your innovation from being adopted? For example, will people perceive your innovation as unsafe? Bad for the environment? Etc.** |  |

* **Brainstorm an infographic**

An infographic is a collection of imagery, charts, and minimal text that gives an easy-to-understand overview of a topic. Check out the link below to learn more about infographics,

<https://venngage.com/blog/what-is-an-infographic/#1>

Below are some examples of infographics for different technologies

Graphical user interface

Description automatically generated

Diagram

Description automatically generated

Now that you have explored infographics, you will create an infographic of your idea. The infographic you create must convey the following information,

* The name of your innovation
* The thing your innovation impacts
* How your innovation works to improve your thing
* Potential obstacles preventing your technology from being adopted

Feel free to jot down ideas or sketches in the space below:

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| **Brainstorming and notes** |
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* **Create your infographic**

Use the provided paper and markers to create your infographic poster. Your final infographic should use imagery, charts, and minimal text to give an easy-to-understand overview of your topic.

Get creative!

* **Receive Credit for the group portion of this lab**

Submit this portion of the lab to Pluska to receive credit for the lab guide.