

Name(s) _____ Period _____ Date _____

Project Guide - Internet Dilemmas



Background

You are the Chief Technology Advisor 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. For this project you'll investigate a social dilemma related to the Internet and prepare a report summarizing your findings and making a policy recommendation for your candidate.

Step 1 - Pick Your Dilemma

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 <ul style="list-style-type: none"> Internet Service Providers (ISP) Internet Content Provider Everyday internet Users 	Impacted Groups <ul style="list-style-type: none"> Everyday internet user Intelligence Agencies Political activists 	Impacted Groups <ul style="list-style-type: none"> Those lacking internet access Internet Service Providers (ISP) Schools and libraries
Sources <ul style="list-style-type: none"> "How the end of net neutrality could change the internet" (video): link "'Net Neutrality' is ending. Here's how your internet could change" (article): link "Wikipedia - Net Neutrality": link 	Sources <ul style="list-style-type: none"> "Free Speech Or Hate Speech: When Does Online Hate Speech Become A Real Threat?" (audio article): link "Internet Censorship Explained" (video): link Wikipedia - Internet Censorship: link 	Sources <ul style="list-style-type: none"> "Eliminating the Digital Divide" (video): link "Internet/Broadband Fact Sheet" (article): link Wikipedia - the Digital Divide: link

Step 2 - Review the One-Pager and Rubric

Review the one pager template and rubric to make sure you understand what you'll be responsible for creating for this project and how it'll be evaluated.

Step 3 - Review the Concept Bank

This concept bank includes the key terms and concepts covered in this unit. Quickly review them before reading your articles so that you'll be ready to identify them in your articles. You can also refer to these as you complete your one-pager.

Protocols / Layers Physical internet, IP, TCP, UDP, HTTP, DNS	Networks Fiber optic cable, copper wire, wifi, router, path, direct connection, bandwidth	Packets and Routing Packet metadata, IP addresses, dynamic routing,	World Wide Web Web pages, browsers, servers, domain, world wide web	Internet Principles Redundancy, fault tolerance, scalability, open protocols
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Step 4 - Review Your Sources

Review the three sources provided or additional ones you find online. For each source take notes on instances when your impacted groups are mentioned or technical details are explained.

Source	Notes on Impacted Groups	Notes on Technical Details

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Internet Dilemma Policy One Pager



To complete this one pager fill in each of the sections below. All text in italics is included to explain how to fill in the one pager and can be deleted before you submit.

Core Question

Copy and paste this directly from your dilemma above

Impacted Groups

Fill in the table below with your Impacted Groups. You may optionally add new groups or split one of the ones assigned into smaller subgroups if it will help better explain who's involved in the dilemma.

Impacted Group and Description	Interests, Benefits, and Harms
<i>Group 1: Write the name of the group and provide a brief description / examples of who they are</i> <i>Can be bullets</i>	<i>Explain the interests of this group, as well as ways that they could benefit or be harmed because of the dilemma.</i> <i>Can be bullets</i>
<i>Group 2: Write the name of the group and provide a brief description / examples of who they are</i> <i>Can be bullets</i>	<i>Explain the interests of this group, as well as ways that they could benefit or be harmed because of the dilemma.</i> <i>Can be bullets</i>
<i>Group 3: Write the name of the group and provide a brief description / examples of who they are</i> <i>Can be bullets</i>	<i>Explain the interests of this group, as well as ways that they could benefit or be harmed because of the dilemma.</i> <i>Can be bullets</i>

Technical Background

Explain the technical background necessary to understand the problem. Include:

- *Background on layers / protocols / principles of the Internet necessary to understand the dilemma*
- *Use the concept bank on the first page to help brainstorm ideas to include. A strong description will reference several of these concepts*
- *Make sure your descriptions are approachable for your candidate, who does not have as strong of a background in the way the Internet works*
- *This can be completed in bullets*

Recommended Policy Solution

Give a recommendation for what policy or solution your candidate should advocate for. Your solution could be a law that should be passed or repealed, a government policy, or a technological solution your candidate should promote.

Recommended Policy: <i>In at most two sentences summarize the solution / action your candidate should support</i>	
Pros / Who Benefits <ul style="list-style-type: none"> • <i>Can be bullets</i> 	Cons / Who is Harmed? <ul style="list-style-type: none"> • <i>Can be bullets</i>

Category	Extensive Evidence	Convincing Evidence	Limited Evidence	No Evidence
Completed research guide demonstrates use of multiple sources	Research guide indicates referencing three or more sources. provided are referenced	All three provided sources are referenced	Only one or two sources were referenced	No evidence that sources were used
Interests, benefits, and harms of all impacted groups are clearly explained	Interests, benefits, and harms for all groups, including possibly additional groups beyond the required three, are provided.	Interests, benefits, and harms of most groups are provided and accurate.	Interests, benefits, and harms are either limited, inaccurate, or incomplete.	No description of impacts on different groups
Technical details reflect an accurate and detailed understanding of the internet	Extensive technical details are provided demonstrating broad understanding of how the internet works	Many technical details are provided that accurately reflect how the internet works	Few technical details provided. Some may be inaccurate.	No technical details provided
Technical details are clear and described for a non-technical audience	All technical details are clear and easily read by a non-technical audience	Most of the technical details provided can be understood by a non-technical audience	Many of the technical details provided are confusing to a non-technical audience	No technical details provided
A clear policy recommendation is provided that is justifiable based on other information in the one-pager	Policy recommendation is justifiable and clear based on information in both other sections of one-pager	Policy recommendation is clear but some aspects may not build upon information elsewhere in the one-pager	Policy recommendation provided but is disconnected from other information in one-pager	No policy recommendation provided
Reasonable benefits and harms of the policy choice on different impacted groups are provided	Benefits and harms to all impacted groups are clearly explained	Benefits and harms to most impacted groups are clearly explained	Benefits and harms are limited or not tied to specific groups	No benefits and harms are provided