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Module 4: Planning a network

Section	Length
1: Topic - Network Deployment Planning	15 min
2: Hands-on - Mapping the Fort York Micro Mesh	40 min
3: Discussion and reflection activity	20 min
4: Wrap-up and week ahead	5 min
Workshop length	1:30 min

1: Topic - Network Deployment Planning

Objectives

- List features of a wifi or mesh deployment
- Explain and summarize important factors to consider for deployment

Materials

- Class Presentation
- Class Shared Notes (i.e., using Riseup Pad or something similar)

Activity

- Presentation on Deployment (8 min)
- Planning Considerations Activity (8 min)
 1. Split into groups/pairs
 2. Assign each group a case from [WNDW \(http://wndw.net/caseStudies.html\)](http://wndw.net/caseStudies.html) (5 exist)
 3. Ask the groups to read through the cases, identify aspects to keep in mind when planning and present a summary to the group of what they anticipate
 4. Collect responses on in class shared notes and discuss

2: Hands-on - Mapping the Fort York Micro Mesh

Objectives

- Sketch out and prototype an imagined Fort York Micro Mesh

Materials

- Printed map (previous class confirm location. Ask if people live nearby, < 10min walk) and would be up for using their home)
- Google Earth
- Hardware examples

Activity

- Introduce Group Mapping Exercise
 - Based on [Commotion Construction Kit \(https://commotionwireless.net/docs/cck/\)](https://commotionwireless.net/docs/cck/): "Every Network Tells a Story (<https://commotionwireless.net/docs/cck/planning/design-your-network-every-network-tells-story/>)"
 - Describe Routers and Rules
- Group Mapping
- Discussion, Show & Tell

3: Discussion and reflection activity

- Ask group to review planning considerations in light of the mapping activity
 - Have someone as note-taker update the original list
- Review the 3 other planning activities in the [Commotion Construction Kit \(https://commotionwireless.net/docs/cck/\)](https://commotionwireless.net/docs/cck/):
 - [Survey your Neighbors \(https://commotionwireless.net/docs/cck/planning/survey-your-neighbors/\)](https://commotionwireless.net/docs/cck/planning/survey-your-neighbors/)
 - [Identify Neighbourhood Skills \(https://commotionwireless.net/docs/cck/planning/identify-neighborhood-skills/\)](https://commotionwireless.net/docs/cck/planning/identify-neighborhood-skills/)
 - [Inventory your Neighbourhood \(https://commotionwireless.net/docs/cck/planning/inventory-the-neighborhood/\)](https://commotionwireless.net/docs/cck/planning/inventory-the-neighborhood/)
- With remaining time, jointly brainstorm an Outreach Strategy for Toronto Mesh, starting in their neighbourhood
 - Have someone as note-taker add to class shared notes

4: Wrap-up and week ahead

- Next session we will talk about Net Neutrality and *why* and *how* to "keep the pulse of a network"

Homework

- Watch [Net Neutrality - 6 Minute Explanation \(https://www.youtube.com/watch?v=zASHI9qdB0U\)](https://www.youtube.com/watch?v=zASHI9qdB0U) by drawntoknowledge (*NOTE: This video incorrectly labeled ISPs as Tier 1 providers, however this does not impact the video's message*)
- Watch selection of "The Internet We Want" Panel starting @ 27:00 (<https://youtu.be/PtO4rPPBWjY?t=27m00s>)
- Optional: Read "[A plan to rescue the Web from the Internet \(https://staltz.com/a-plan-to-rescue-the-web-from-the-internet.html\)](https://staltz.com/a-plan-to-rescue-the-web-from-the-internet.html)" by Andrew Staltz