**LSM1111 Iceberg Systems Thinking Problem Analysis Model**

[Analyse the problem](https://www.youtube.com/watch?v=Te1VYXqUH_c) that you wish to tackle by filling up the following sections…

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| Component | Description |
| **Event**  *The problem that you see*  Example  Plastic beverage bottles are a common type of waste found in beach clean-ups in Singapore. |  |
| **Pattern**  *Spatial or temporal changes in the Event you have identified*  Example  In the past 10 years, the number of plastic beverage bottles found has grown to become one of the most common items found at every clean-up. |  |
| **Structure**  *The underlying infrastructure or “way things work” that causes the problem*  Example  - Plastic is cheap to produce and waterproof  - Bottled drinks require a way of sealing drinks to prevent spillage and spoiling  - Bottled drinks are in high demand  - Recycling in Singapore is inadequate |  |
| **Mental Model**  *The assumptions and beliefs held by the people who created the Structure*  Example  - For companies, profit is more important than sustainable practices  - Consumers value convenience and affordability when buying drinks  - Consumers are not aware of the need to recycle |  |
| **Solution**  *Identify (i) the specific “Structure” or “Mental Model” point that you want to solve and (ii) how you want to solve it*  Example  (i) Make it unprofitable for companies to act unsustainably by (ii) introducing a “plastics” tax for any plastic they use. |  |
| **Information Sources**  *Supporting material where you got your information from:* [*use this test*](https://www.youtube.com/watch?v=z0VF3kh1ffk) *to decide whether a particular source is CRAP*  Example  1. International Coastal Cleanup, Singapore (2021). Results & photos. URL: http://coastalcleanup.nus.edu.sg/results/index.html (accessed on 5 Sep 2021). |  |