## One Tree in My Yard

**Your name, Class of \_\_\_\_**

**School, School District, City**

Impact Design **- Design the process!**

**1. Impact Statement -** If I plant one tree in my yard, I can then talk to my neighbors about the [many benefits of trees](https://kingcounty.gov/services/environment/stewardship/three-million-trees.aspx) and persuade them to join a neighborhood effort to support our City’s tree canopy goals.

**2. Community Alignment**

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| --- | --- |
| **Group** | **Goal/Action** |
| **Urban Tree Canopy Assessment** To track progress towards our 40% canopy goal, Kirkland measures its canopy cover on 8-10 year cycles.  | Check out this [PDF](https://www.kirklandwa.gov/files/sharedassets/public/planning-amp-building/planning-and-building-images/final-2018-utc-report.pdf) with cool data. Always good to scan the executive summary for main ideas.  |
| **King County Forestry Services** Focuses on the retention of forestland for its environmental, social, and economic benefits. | Developed the [forest plan](https://kingcounty.gov/services/environment/water-and-land/forestry/forest-policy/30-year-forest-plan.aspx) which is a shared countywide vision, including priorities and goals associated with rural and urban forest cover and forest health as well as strategies for achieving that vision over the next 30 years.  |

**3. Procedure**

1. Find a good spot in your yard to plant a tree sapling. Make sure the area can support the tree as it grows.
2. Research a tree to purchase by accounting for its size, upkeep and nativity for your region. Use coniferous species for the highest stormwater and carbon sequestration benefits.
3. Research how to plant a tree online and plant it!
4. Head over to the ‘Impact Tracking’ section to gather some data.
5. Communicate your impact to stakeholders!

Impact Tracking - **Quantify your impact!**

4. **Data -** How much carbon would the newly planted trees sequester after reaching maturity?

Before jumping into the calculations we must gather some background information! You will need to…

1. Find your Tree Species
2. Maturity Age
3. Average Diameter (in.) of Trunk at Maturity
4. Average height (ft.) of Tree at Maturity

Find the above information from a reliable source, check out [these dimensions](http://biorefinery.utk.edu/technical_reviews/Tree%20Size.pdf) for a head start.

Use [this](https://docs.google.com/spreadsheets/d/1kDMf28h2clsN05RHTQ4csHcQVTbVnyT-mIDIK3NPfm8/edit?usp=sharing) tool to track how much carbon your tree will sequester once it has matured.

Impact Storytelling **- Share your data with who needs to know!** [**Impact Storytelling Tips**](https://docs.google.com/document/d/1do-KoX9J5onLrEEoSiKnmNWHYlk_jf0lJZ-ANkXCLMk/edit)

**5. Stakeholder Communication**

*Think about video, graphs, e-news, and public presentation*

Ideas:

* Create a script for the school newspaper or video team detailing the importance of tree planting, how much carbon your single tree will sequester at maturity, and how much carbon can be omitted if everyone planted just one tree. Check out [this](https://www.canva.com/design/DAEpQ7gH6f4/2blsp78IXsStRKUgMKB2gg/view?utm_content=DAEpQ7gH6f4&utm_campaign=designshare&utm_medium=link&utm_source=sharebutton&mode=preview) example.
* Film and edit short (1-3 minute) vlogs of my tree-planting experience (separate videos for at home and group projects) to share on my Instagram and other social media platforms.
* Write and shoot a mockumentary from a salmon’s perspective. Detail the hardships salmon go through as a result of tree deforestation. End the film with a call to action, “plant just one tree”.
* Create brief Presentations for service or environmental groups to encourage them to pursue a similar project. Include…
	+ Relationship to community goals, stakeholders
	+ My experience; what went well, what needed improvement
	+ The results (specific data), my impact
	+ What would happen if you did the same?

Present Idea to…

|  |  |  |
| --- | --- | --- |
| **Stakeholder** | **Interests** | **Approach** |
| [**Green River Coalition**](https://www.greenrivercoalition.org/) | A non-profit organization that collaborates with community, municipalities, nonprofits, educational institutions and other agencies to protect and enhance the Green River and our watershed. | Ask to be connected with other organizations and their tree planting events. You may be sent opportunities to participate in upcoming reforestation events.  |
| Schools | Community Evolvement, Youth Development | Hold conversations with school clubs, teachers, school admin about widespread community tree planting for their students.  |

Add your project to our website! Contribute to collective impact…