Team Wood Vinegar
Spreading the use and production of wood vinegar across rural Thailand

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The story
Project

- Honors Academy:
  - Interdisciplinary student teams

- Goal:
  - Spreading the use of wood vinegar by designing a better wood distillery
  - Go to Thailand to visit wood vinegar schools and ask for feedback
Video

https://vimeo.com/215175107
Pyrolysis

Wood → Heat → Charcoal, Light gases, Wood vinegar, Tar
Preliminary design
Preliminary design
Results

- 4.7 L wood vinegar for 56 kg wood (0.084 L / kg)
- 70% more wood vinegar than conventional design
- Drying container: 16% reduction of wood mass
- Farmer feedback: complex design
Future of this project

- This year: design phase finished
- Looking for people
  - Spreading the setup throughout Thailand / the world
Questions?