

Creating Adaptable Devices for Learning Maker Skills

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Approaches...

learning to use tools correctly



a

Skill with tools

learning to assemble parts correctly



b

Skill with objects

learning to work with materials correctly



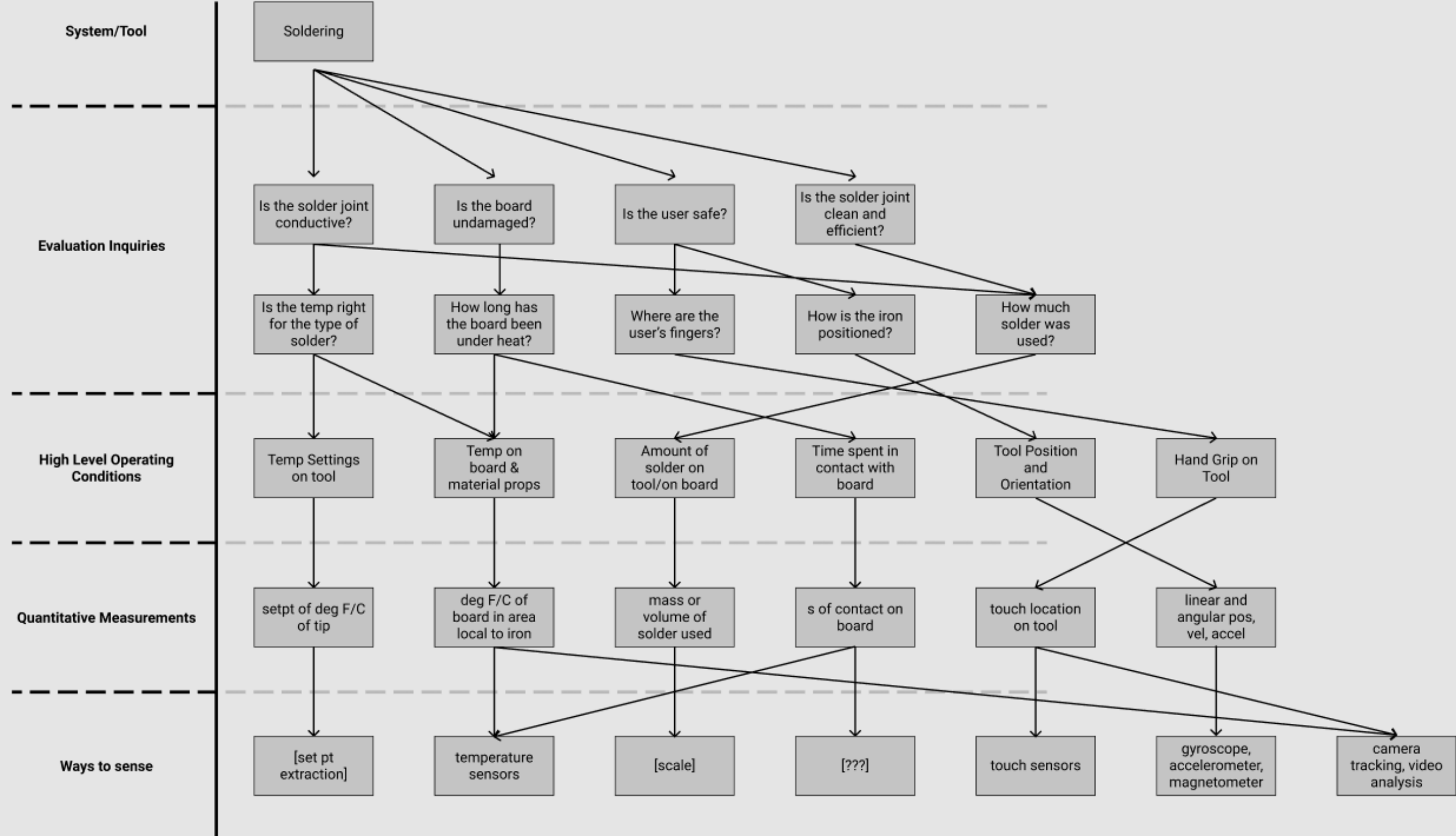
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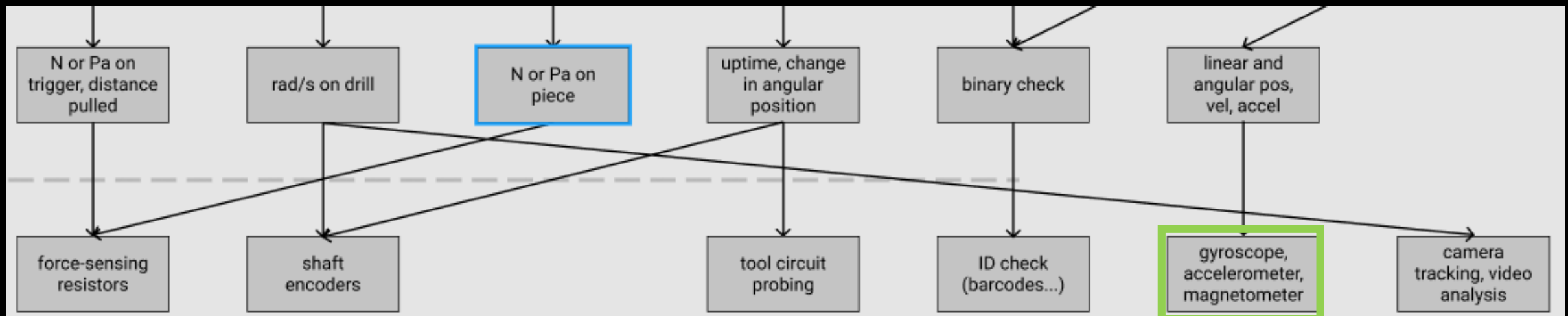
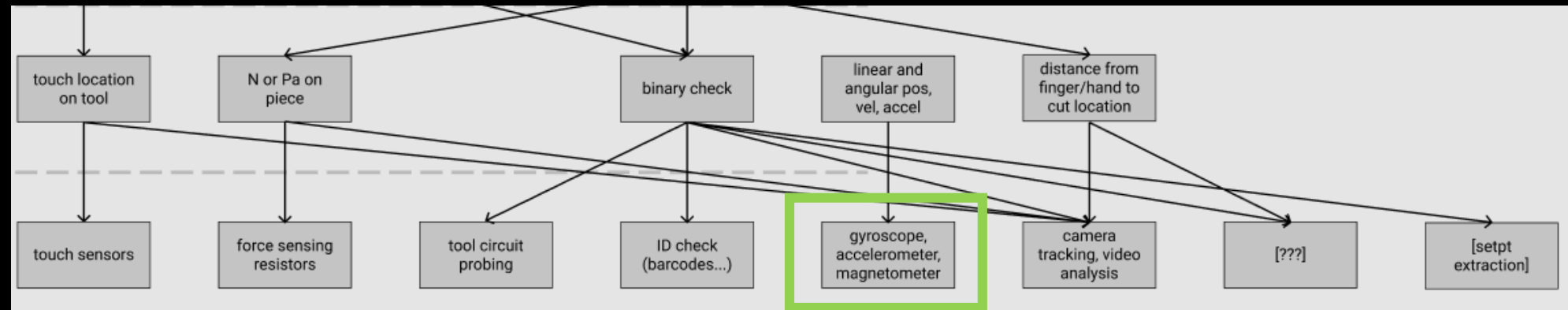
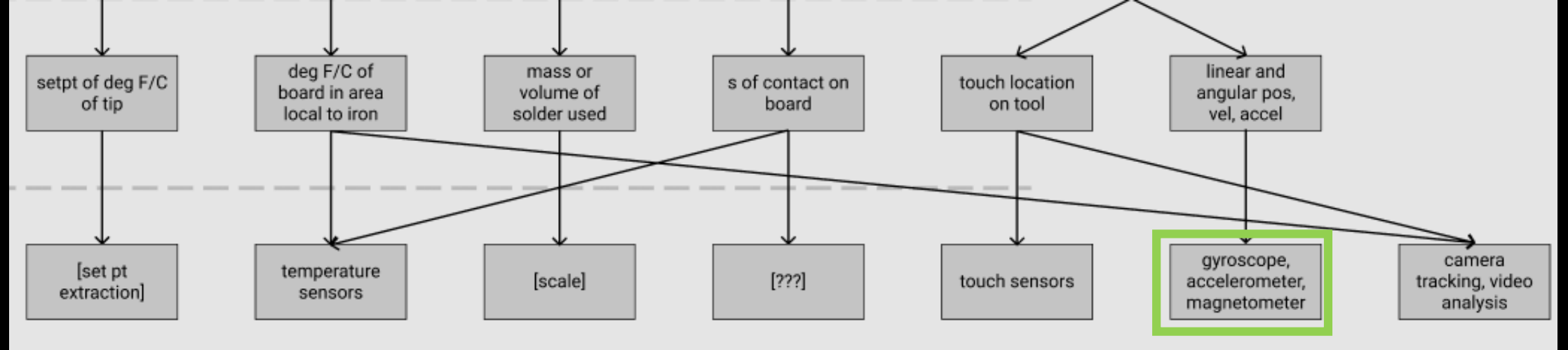
Skill with materials



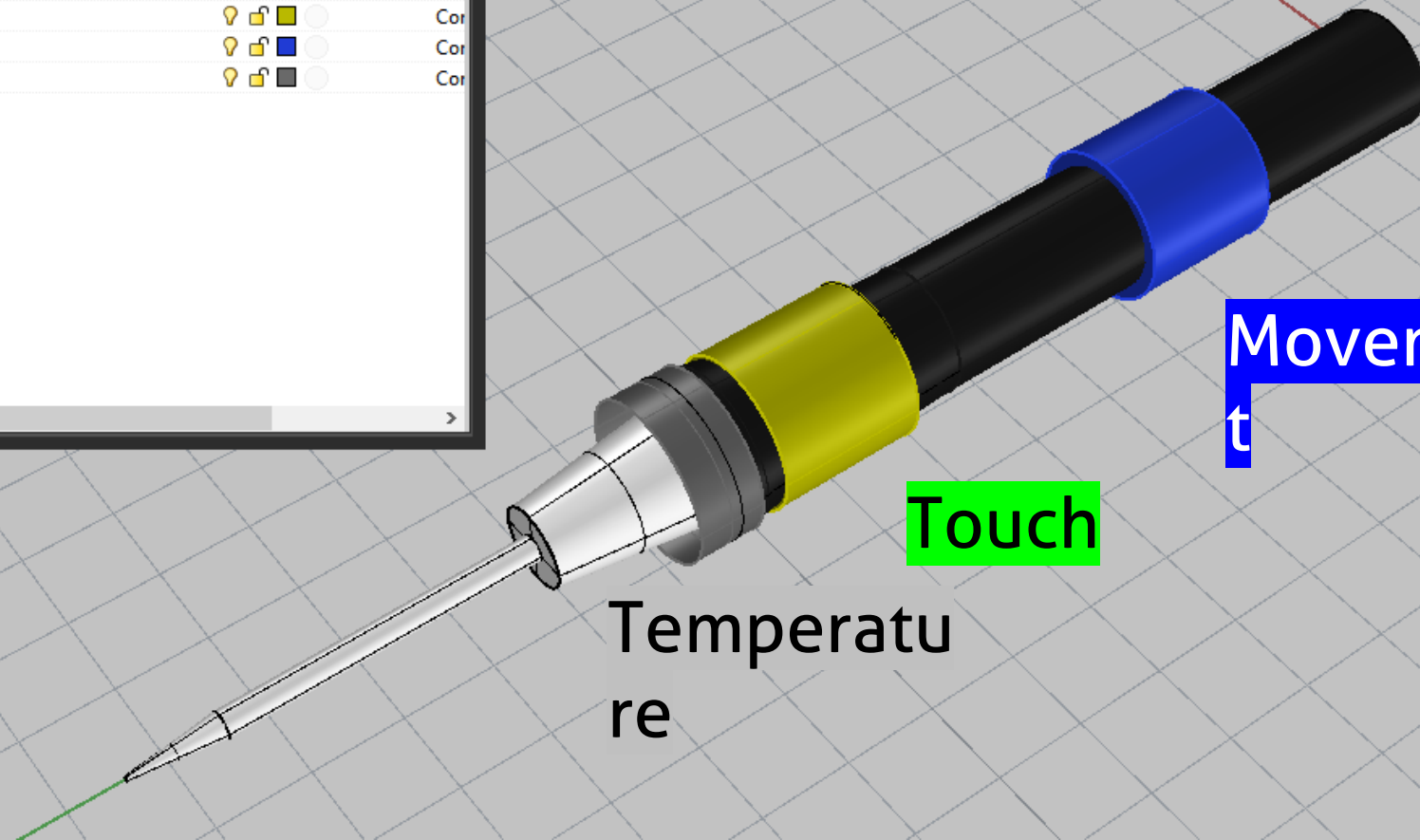
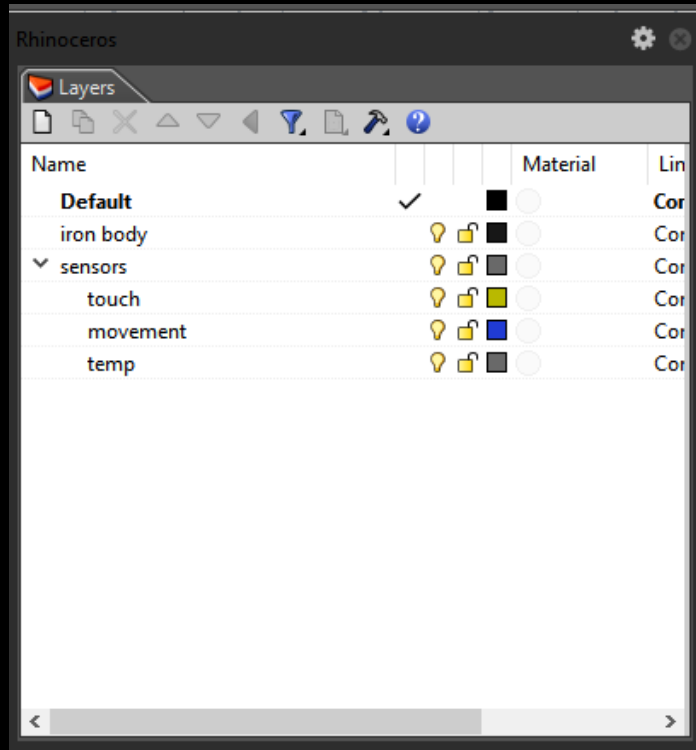
Tools?

- Hand Drill
- Soldering Iron
- Dremel
- Manual Tools (Screwdriver, Wrench)
- Tabletop/Large tools (Drill Press, Band saw, table saw, router; 3d printer, laser cutter)
- CNC Tools (Lathe, Mill, Waterjet, router)
- ...





[video]



Future Steps

- Create & refine more prototypes
- Expansion to more tools
- UI
- Streamline fabrication
 - MorphSensor

