Design a Digital Communication Tool
Project Phase 1: Problem Definition (Student worksheet)

Initial understanding of the Problem

Stakeholders (Who specifically do you hope will interact with your design?)

Criteria **(Your design strives to do these more and more)**	**Constraints** **(Your design must do these to be successful)**
Design should: ● Communicate appropriate science/engineering/discovery as accurately as possible including appropriate science and math. ● Meet the needs of your stakeholders such as: ○ ○ ○ Design could: ● Involve user input, such as navigation or user design choices. ●	Project-imposed: ● Reflect your understanding of new information presented by an expert(s) in this internship. ● Include motion in the representation ● Natural world-imposed: ● Program your design in code.org (Java) or any other platform/language. ● Be able to be shared to others via an anonymous link to protect your privacy. ●

Measurement Tools *How will you measure whether or not you met the criteria? What data will support or indicate that your design is communicating well? Will your measurement be embedded or external?*

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Other questions / ideas to test

Refined Problem Statement

Identify: role, problem, major criteria, stakeholders/context and complete the sentence

We as _____ seek to _____ in order to _____ for _____ .

Questions Moving Forward

What will you investigate next? Who will be responsible? What resources do you need?

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