

INNOVATION CHALLENGE

COMMUNITY OF THE FUTURE



THE CALL TO MAKE

A Brilliant Process for Making Brilliant Things

Adapted from the D.School's Design Thinking Framework [Stanford University]



QUESTIONS ?

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Welcome

Are you and your students ready to dive into creating, iterating and prototyping? Let's consider the design thinking process and how we can help students actualize their ideas.

CALL TO MAKE

The transition from a non-maker to maker can happen in an instant - this stage is that instant. The moment someone becomes urgently motivated to seek out and combine the raw materials that will actualize their idea.

When makers are empathetic they reflect on the characteristics of themselves, their audience and the community for which the project is made. Can they look at their project with a different perspective, viceral or emotional not just intellectual. How can they look at the project using their 5 senses to get different ideas. They have to go beyond assumptions and identify with other people.

EMPATHY

DEFINE

This is where the project starts to take shape. The students will define and start to decompose the project. What are the different parts of the project and options for solutions? Who is this project for and how will they use it? What are the other solutions available that could help you? What are the concepts that you need to learn more ?

This is where students look at all the possibilities, they look into transforming a problem into a variety of solutions. They reflect on the end user's needs in order to offer a variety of ideas. No judgment, sometimes the greatest ideas are based on the most far fetched.

IDEATE

PROTOTYPE

This is where the students simulate the end product or result. They are able to refine after testing. They draw, refine, calculate, study materials... They reflect on the purpose of their creation.

They test the materials, the quality of the product. Keep in mind that they might have to go back to ideation or prototyping. This is a circular model.

TEST

CALL TO MAKE

[illegible]

WE DON'T EXPECT YOU TO SOLVE ALL OF THE WORLD'S PROBLEMS WITH JUST ONE PROJECT SO RESEARCH AND CHOOSE SOMETHING YOU CARE ABOUT!

- DEVELOP AN IDEA FOR A LOW COST AND LOW WASTE NUTRITIONAL FOOD TO HELP YOUR COMMUNITY.
- FIGURE OUT A WAY FOR ELECTRIC VEHICLES TO CREATE THEIR OWN ENERGY WHILE MOVING TO LESSEN THE ENERGY NEEDS OF YOUR COMMUNITY.
- DESIGN A CAMPAIGN TO RAISE AWARENESS ABOUT CLIMATE CHANGE IN YOUR SCHOOL OR COMMUNITY AND GET LOCAL BUSINESS OR INDUSTRY INVOLVED.
- CREATE AN APP THAT WILL HELP MONITOR ENERGY CONSUMPTION IN YOUR COMMUNITY AND SEE HOW THEY CAN HELP TO REDUCE WASTE.
- ITERATE ON SOME CURRENT CLEAN ENERGY SOLUTIONS TO HELP YOUR COMMUNITY.
- PROMOTE GENDER EQUALITY OR MENTAL HEALTH IN INNOVATIVE WAYS.
- GET INVOLVED IN FINDING A SOLUTION TO CLEAN MICRO PLASTICS FROM OUR OCEANS FROM OUR OCEANS AND OUR FISHING COMMUNITIES.

03

WHAT IF EVERYONE UNDERSTOOD THE LOCAL AND GLOBAL EFFECTS OF CLIMATE CHANGE?

CALL TO
MAKE

Illustrate

**CALL TO
MAKE**

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Illustrate what you think will make the most impact.

DRAFT YOUR BRILLIANT MESSAGE HERE

CALL TO
MAKE

SUSTAINABLE DEVELOPMENT GOALS



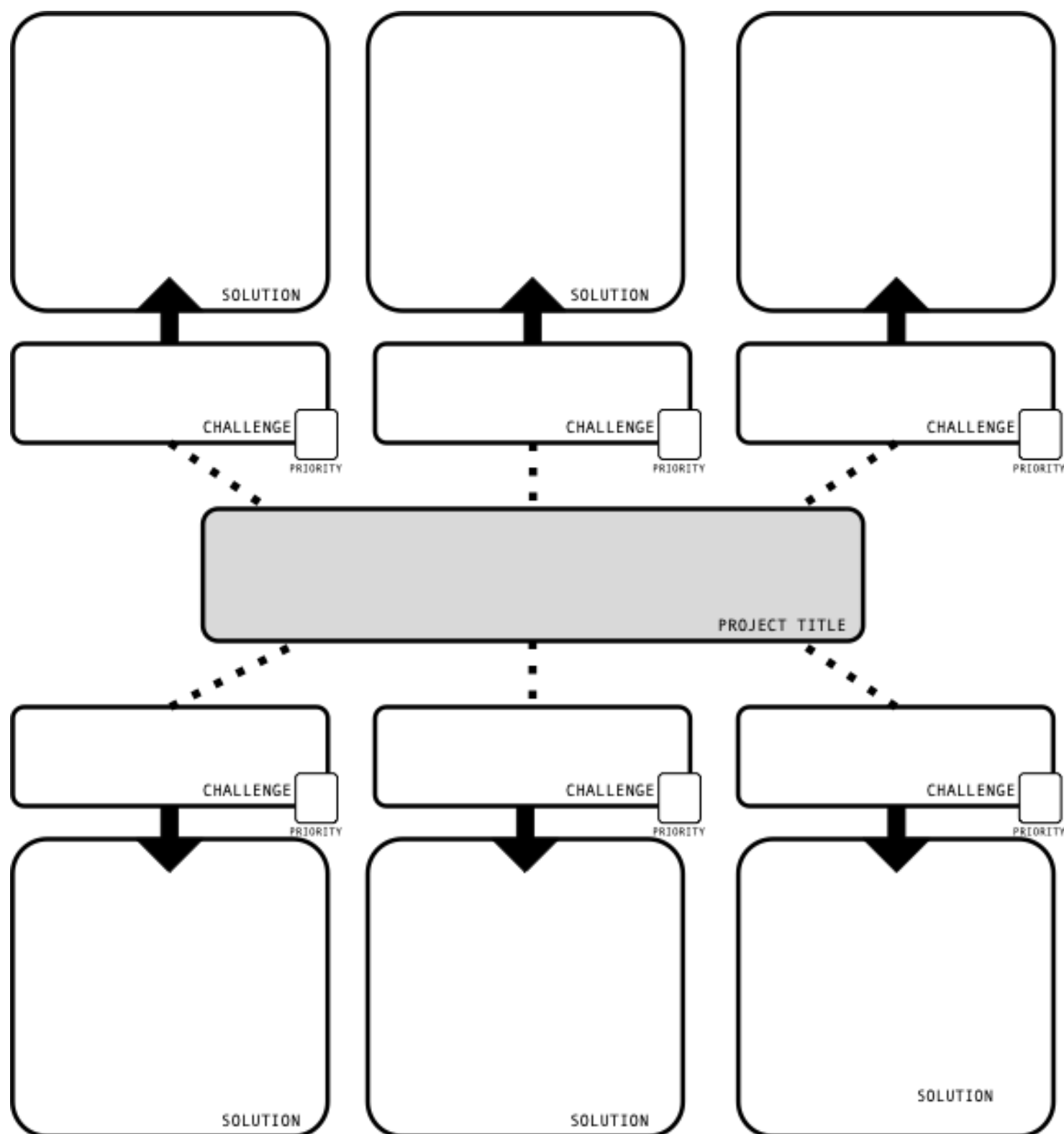
EMPATHY

EMPATHY

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LESSON 2

DECOMPOSITION OF MY COMMUNITY PROFILE



WHAT IF EVERY PART OF OUR COMMUNITY TOOK ACTION FOR CLIMATE?

DEFINE

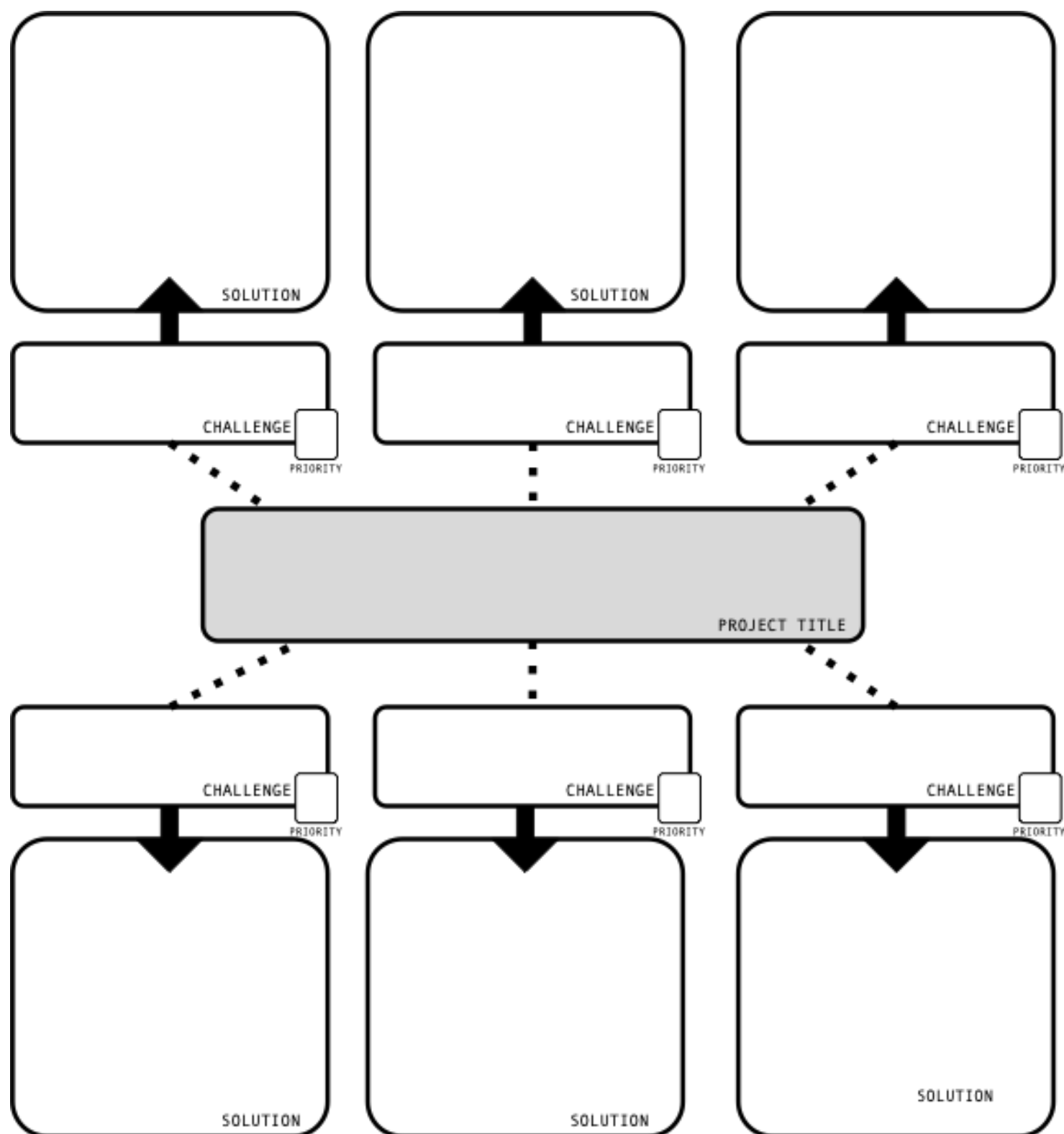
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WORKSHEET

DEFINE

LESSON 5
12

WHAT ARE YOUR CREATIVE SOLUTIONS ?



PROTOTYPE

HOW WILL THIS WORK?
IS THIS SUSTAINABLE?
IS IT DURABLE?
WHAT WILL YOU MAKE?
HOW WILL IT WORK?

PROTOTYPE

PRIORITY

PRIORITY

TO DO :





PROTOTYPE

HOW WILL THIS WORK?
IS THIS SUSTAINABLE?
IS IT DURABLE?
WHAT WILL YOU MAKE?
HOW WILL IT WORK?

PROTOTYPE

PRIORITY

PRIORITY

TO DO :





PROJECT PROFILE

| | |
|---------------|---|
| PROJECT TITLE | DATE |
| DESCRIPTION | DEADLINE |
| | MENTOR |
| | PARTNER |
| |  |

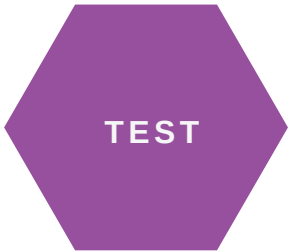
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| MY PRE-EXISTING KNOWLEDGE ABOUT THIS PROJECT: |
| WHO DOES THIS PROJECT BENEFIT? |
| WHY AM I PASSIONATE ABOUT THIS PROJECT? |
| HOW CAN I SHARE THE STORY OF THIS PROJECT WITH OTHERS? |

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WORKSHEET

PROTOTYPING

TEST IT OUT



PRIORITY

TEST
ASSESS
REFINE

PRIORITY

TEST
ASSESS
REFINE

REFLECTING ON YOUR PROCESS

LOOKING BACK

WHAT DID YOU
ACCOMPLISH?
WHAT DID YOU HAVE
PLANNED BUT DID NOT
ACCOMPLISH?

LOOKING IN

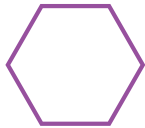
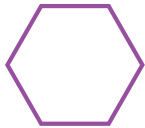
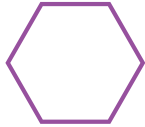
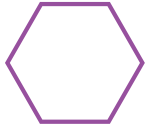
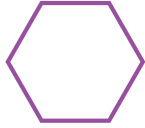
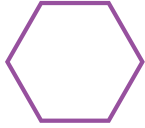
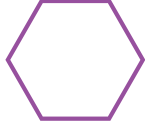
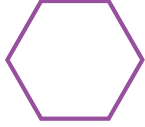
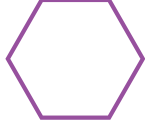
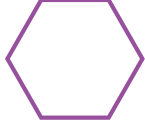


WHY DID YOU
ACCOMPLISH THIS
GOAL OR TASK?
WHY DID YOU NOT
GET TO FINISH THIS
INITIATIVE?

LOOKING FORWARD

WHAT ARE YOUR
PRIORITIES?
WHAT DID YOU LIKE
ABOUT THIS
PROJECT?

TO DO CHECKLIST

TEST

| | | | |
|--|-------|---|-------|
|  | _____ |  | _____ |
|  | _____ |  | _____ |
|  | _____ |  | _____ |
|  | _____ |  | _____ |
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TEST

ASK

WHO CAN I ASK FOR HELP?