

FRAMING THE DESIGN OBJECTIVE

EXAMPLE WORKSHEET 1

Using the work you have already done complete this worksheet to better understand the problem you are trying to solve and re-familiarise yourself with your project. Complete as part of your team.

WORKSHOP 1 - CONCEPT DEVELOPMENT

Pre Workshop Prep - Monday 4th May 2020

Print one worksheet per person

1. WHAT IS THE PROBLEM YOU HAVE IDENTIFIED?

(This is the over arching challenge you have observed from your research)

THE OCEAN IS FILLED WITH AN EXCESS OF PLASTIC POLLUTION HARMING THE ENVIROMENT

2. WHAT KEY RESEARCH IS THIS BASED ON?

(State 3 insights that have informed your problem)

- GARBAGE PATCHES IN MULTIPLE SITES IN OUR OCEANS
- 640,000 TONNES OF NETS DISCARDED IN OCEAN EVERY YEAR
- 95% OF PLASTIC SUBMERGED

3. WHO ARE THE KEY USERS/STAKEHOLDERS?

(People involved in using, installing or maintaining your product/service)

- ENVIRONMENTAL ORGANISATIONS
- GOVERNMENT ORGANISATIONS
- COMMUNITY GROUP
- FISHERMEN
- MARINE WILDLIFE

4. THE DESIGN OBJECTIVE

(We are looking for a robust yet considered statement that builds on the information to the left to help frame your project and give you scope to explore exciting innovative solutions. See examples in the Workshop pack)

TO DESIGN A SYSTEM THAT COLLECTS PLASTIC WASTE THAT NATURALLY GATHERS ON THE SURFACE OF THE OCEAN. TO ALLOW WORLDWIDE CONSERVATION ORGANISATIONS TO OPERATE IT REMOTELY IN DIFFERENT OCEAN ENVIROMENTS.