**WELCOME TO OUR YEAR 7 DESIGN THINKING CHALLENGE**

**My goal today is to design a SURVIVAL KIT for my partner**

My name is: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

My partner’s name is: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

In our pair, we have agreed that:

I \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (insert your name) will be Student \_\_\_\_\_\_ (insert A or B)

and my partner \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (insert your partner’s name) will be Student \_\_\_\_\_\_ (insert A or B)

**EMPATHIZE STAGE 1: Getting to know about your partner**

*To empathize means to understand how someone else feels.*

*Find out about your partner. You can use some of these questions to get your started. Write down some their answers.*

Where do you live?

What school do you go to?

Do you have any brothers and/or sisters?

Do you do any sport?

What are your hobbies?

Why did you want to come to QASMT?

*What else do you want to know about your partner?*

**EMPATHIZE STAGE 2: Digging Deeper**

Time to find out what your partner’s needs might be for their survival kit. Use these questions to help you.

What are you most EXCITED about coming to QASMT?

What CHALLENGES do you see for yourself?

How do you get to school? What if you get lost?

How will you remember what to carry with you? Where would you put your bus pass? Where would you put your locker keys?

Do you know how to use your computer?

What food and drinks will you need to survive through the day?

Do you know your way around the school?

How will I remember important information like my teachers’ names?

When will I be able to have my lunch? Where will I keep my hand ball or my rubric’s cube?

**DEFINING THE PROBLEM**

**ON YOUR OWN** you now need to write down your partner’s needs for their survival kit

Here are two examples:

Lorna’s **CHALLENGE** is getting to school on time each day **BECAUSE** she has moved to Ipswich and has to find her own way to school. **I WILL DESIGN** a *‘Getting to school on time’* guide **TO HELP HER** travel confidently on her own on the bus to and from school.

**Jimmy is CHALLENGE** to remember all necessary items for school e.g. school card, goggles, school tie, healthy snacks **BECAUSE** he has to get up really early in the morning for swim training before school and often wakes in the night worrying. **I WILL DESIGN** a ‘*Good Night Sleep’* solution **TO HELP HIM** be organised each evening **SO THAT** he can have a good sleep each night.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (insert partner’s name here)**’s CHALLENGE IS**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (write challenge)

**BECAUSE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  (write the reason)

**I WILL DESIGN A** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(write your idea)

**TO HELP HIM/HER** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(write how this will solve the challenge)

**SO THAT\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** (write a positive outcome/benefit).

**IDEATE**

The fun part! Here’s where you can SKETCH out 4 different and radical (imaginative) ways to solve the challenge. You're trying to come up with lots of ideas - even if they're crazy or impossible or too expensive to make. These crazy ideas often spark other, even better ideas that can lead to a more interesting solution.

|  |  |
| --- | --- |
| **IDEA 1** | **IDEA 2** |
| **IDEA 3** | **IDEA 4** |

**IDEATE – FEEDBACK**

Share your crazy ideas with your partner and then write down their feedback and any new ideas.

|  |  |
| --- | --- |
| **IDEA 1 FEEDBACK** | **IDEA 2 FEEDBACK** |
| **IDEA 3 FEEDBACK** | **IDEA 4 FEEDBACK** |
| **NEW IDEAS** | |

**IDEATE**

**Using the feedback from your partner, sketch out your idea below**

**In the next stage you will make a PROTOTYPE of your idea. You create something that starts to look like a final version of your idea.**

**TESTING YOUR PROTOTYPE**

This is about SHOWING NOT TELLING. Give your prototype to your partner and show them how it works. Then write down their feedback here:

|  |  |
| --- | --- |
| **What worked?** | **What could be improved?** |
| **Questions your partner had about your prototype** | **Any more ideas about their needs?** |

**FINAL REFLECTION (on your own)**

Now that you have been through this process and have lots of feedback, how would you improve your solution and why? Write down your thoughts.