Step Two: Operation Identify

Now that you have clearly defined the problem, you need to identify the constraints, limitations, and key information needed to solve the problem effectively and research existing technology and strategies.

What are your constraints?

Hint: A constraint is something that limits what you can do when designing a solution. It could be about time, cost, materials, safety, or the environment. You must work around constraints when planning your idea.

Who is the audience for your final plan?

Hint: This is important to consider how you will communicate your solution

What are your timelines?

Hint: Think about the time you have available to develop a solution (how much class time?) AND how long your solution will take to implement.

What tools are required?

What further information is needed?

Hint: what questions do you still have? What do you need to research further?

Next Steps

If you wish, the following pages have examples of graphic organisers that you can use to further work through this step. The tables in this document aren't editable, but you can ask your teacher to print them or create them for yourselves in a new document.

Concept/ Technology/ Solution element	How it works	Purpose/ use in disaster response	Challenges	Real-world examples	Additional info
Drones					
Helicopters					
Satellites					
Fixed wing aeroplanes					
4WD vehicles					

AVISTA

Concept/ Technology/ Solution element	How it works	Purpose/ use in disaster response	Challenges	Real-world examples	Additional info
Encryption					
Sensors					

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