# 10 STEP INTERDISCIPLINARY RESEARCH PROCESS

#### 01 DEFINE THE PROBLEM

This is the step that often takes the most time and effort. You are identifying a complex, researchable problem or question. The problem must include at least two disciplines to be considered interdisciplinary

### **02** JUSTIFY YOUR PROBLEM

Justify your problem or question using an interdisciplinary approach. Ensure your problem is complex, involving 2 or more disciplines, and has not yet been resolved.



### 03 IDENTIFY RELEVENT DISCIPLINES

Based on the question you have created, identify the relevant disciplines that could be tied together with your question. Look at all angels and different view points.

#### **04** CONDUCT YOUR RESEARCH

Now that you have identified the disciplines you will focus on, now you will start your literature research. reviewing relevant articles, blogs, websites, and books on your topics.



#### 05 DEVELOP ADEQUACY IN RELEVENT DICSIPLINES

Find explanations in all of your relevant disciplines and show how each discipline can be tied together to explain your question.

# **06** ANALYZE & EVALUATE EACH THEORY

Evaluate each insight or theory that could correlate with your question or problem. Create your own theory and insights to evaluate as well.

## 07 IDENTIFY CONFLICTS

Identify conflics between insights and theorys. Find where they disagree in your research and elaborate on how they could look past these to formulate a solution

# **08** CREATE A COMMON GROUND

Discover a common ground between all of your disciplines and where they could come together to format a new insight or theory.





#### **09** CONSTRUCT A COMPREHENSIVE UNDERSTANDING

Using all that you have found in similarities and differences between your disciplines, formulate a comprehensive understanding of your findings.

### **10** REFLECT & TEST THE UNDERSTANDING

Reflect on your understanding and research. Conduct any test to prove your theory or test a prototype of a device create.

