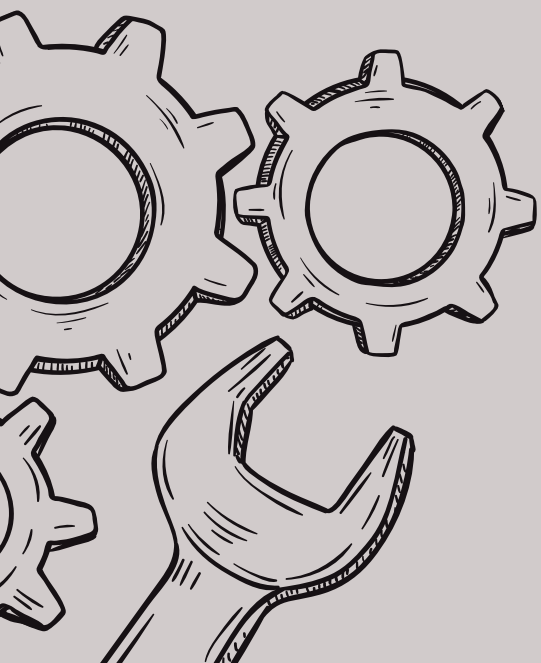
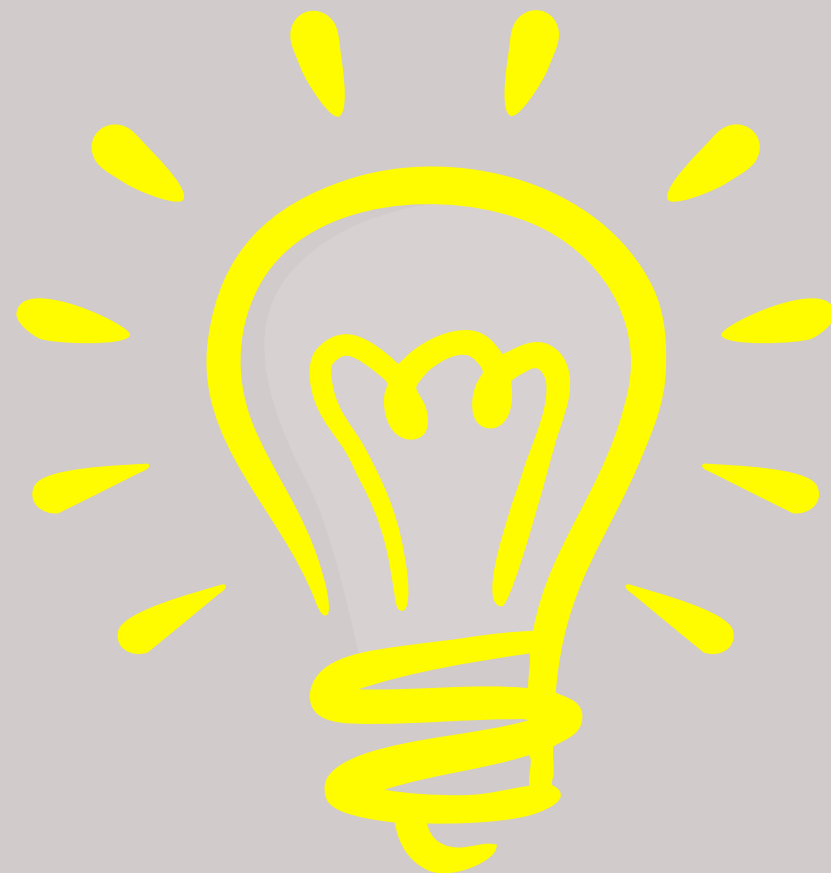





# Career Readiness Challenge

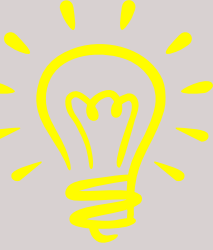
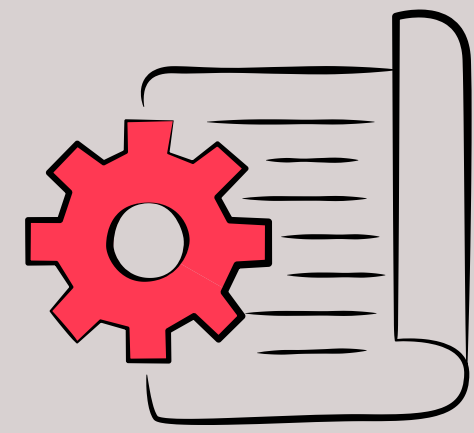


**Team 12350B - BrightBulbs**



# JOB - CIVIL ENGINEER

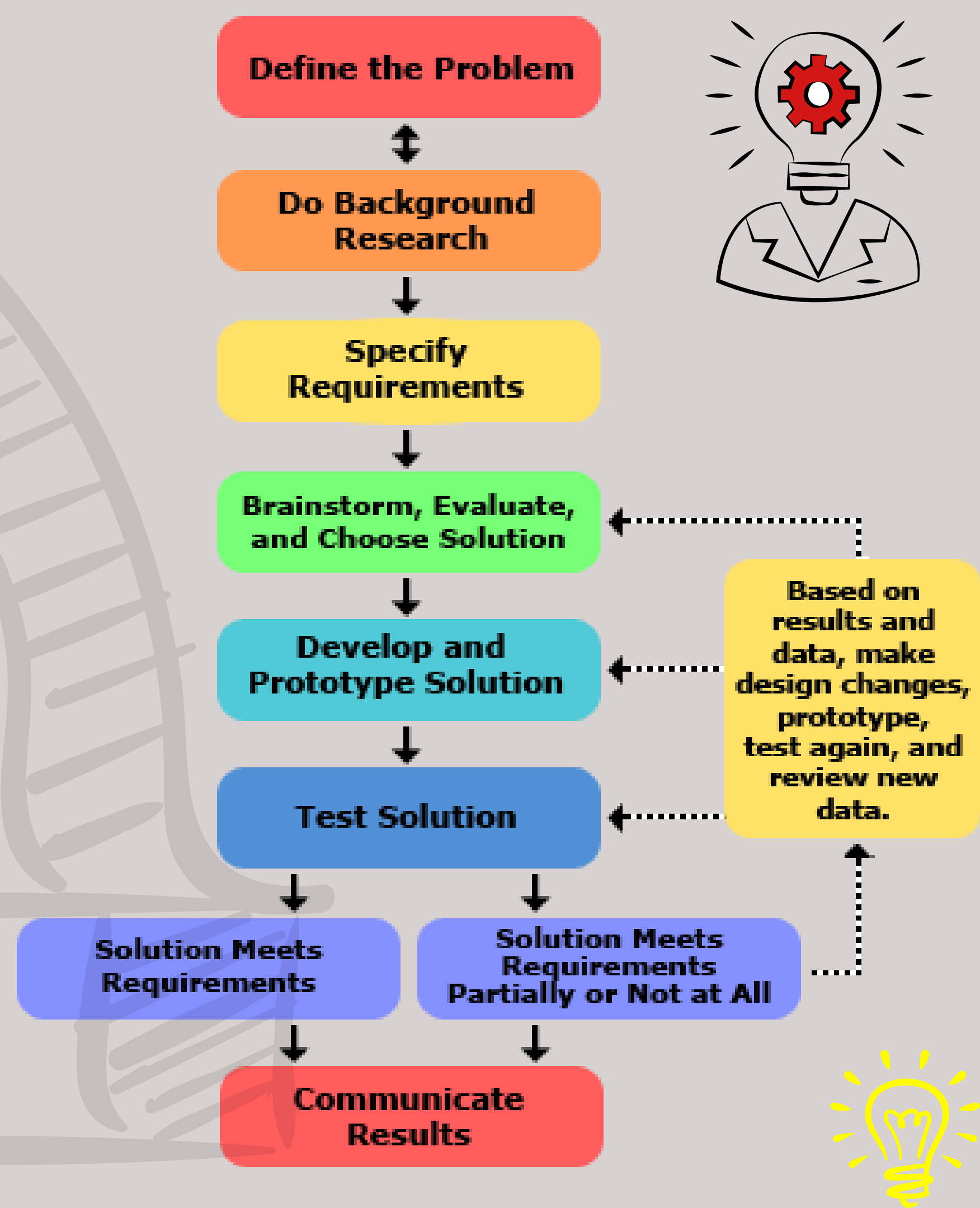
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The reason that I choose to do this career is because I have always wanted to do good and be able to build great things and help people with what I make. Besides that it has many aspects that I would like in a career. A civil engineer focuses on improving the public as well as the environment. Civil engineering is a job that focuses on managing, designing, manufacturing, and creating.

# The Engineering Design Process

The engineering design process is very important especially to civil engineers. Civil engineers use the engineer design process everyday. A civil engineer has to follow the rules of their profession but also do what a client asked. They do this by using the civil engineer process. They use the process to decide the main concept for the structure. They have to find what the client wants and then find requirements and find ideas. They have to make sure that they do things right. That is why they use the engineering design process.



# Are Civil Engineers needed?



The need for civil engineers are now at high demand across the country. At the moment, the need for this profession is now going up by 7%. Civil engineers are very important for this society. They do many important things such as design and help build structures. Civil engineers work to help protect us and keep the environment safe. They keep society working and use their designs to help with society's needs.



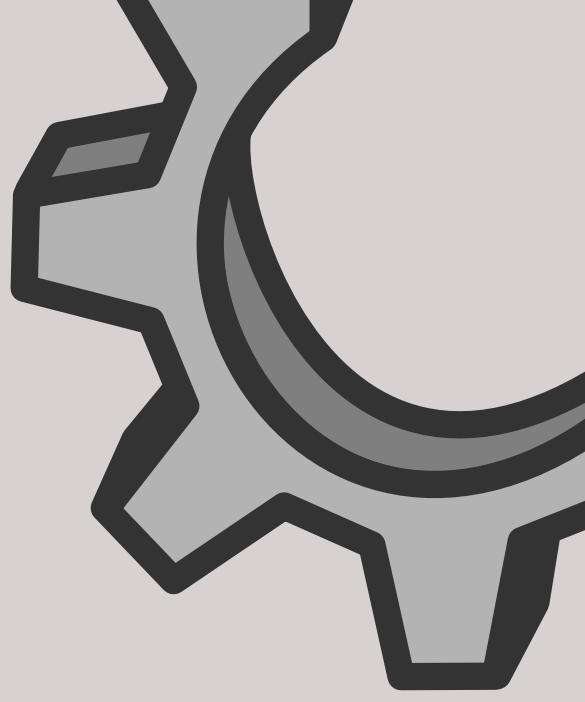
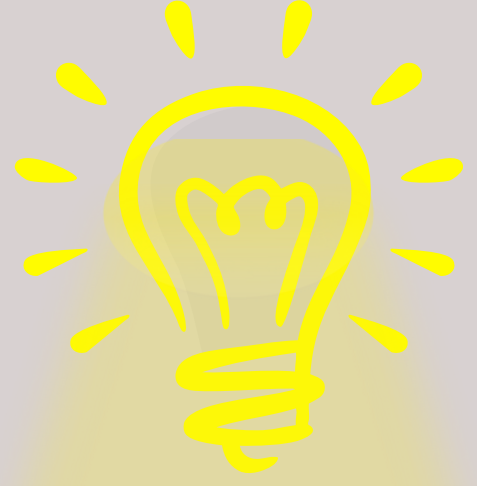
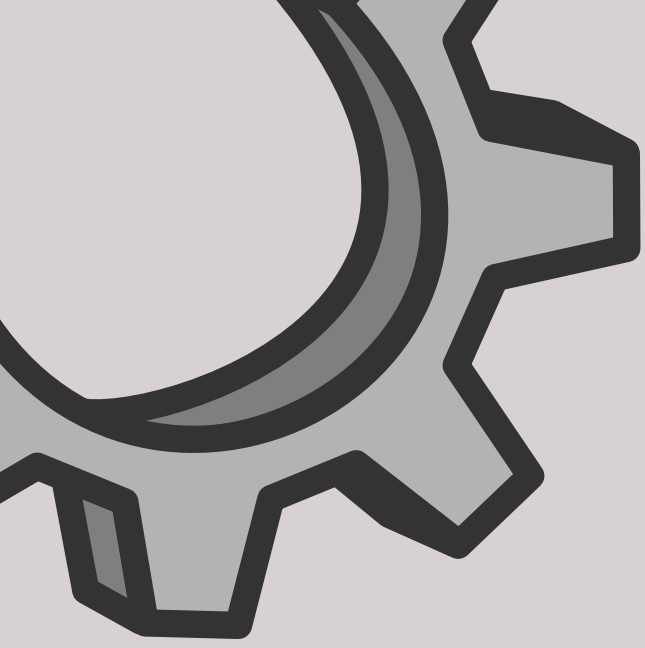
# How Robotics Relates to Civil Engineering

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ROBOTICS RELATES TO CIVIL ENGINEERS IN MANY WAYS. THEY BOTH HAVE A LOT IN COMMON. BOTH INCORPORATE THE ENGINEER DESIGN PROCESS AS SAID BEFORE. THEY ALSO BOTH INVOLVE TEAMWORK AND LEADERSHIP AS WELL AS DESIGN.

ROBOTICS NOT ONLY RELATES TO CIVIL ENGINEERING BUT IT CAN ALSO HELP YOU TO PREPARE FOR IT AS WELL, SINCE IT RELATES SO MUCH. ROBOTICS HELPS TO TEACH YOU HOW TO BUILD THINGS USING METAL AND HOW TO USE DIFFERENT TOOLS. WHEN LEARNING THIS IN ROBOTICS YOU CAN ALSO LEARN HOW TO BUILD THINGS FROM SCRATCH AND LEARN TO CODE. SINCE IN CIVIL ENGINEERING THEY WORK WITH MANY TOOLS AND HAVE TO BUILD MANY THINGS, AND ROBOTICS ALSO DOES SOME OF THESE THINGS WHICH IS WHY ROBOTICS CAN BE VERY USEFUL.



These were the reasons I  
chose Civil Engineer and  
why Robotics will help me.

