

## Steps of the Invention Process



**IDENTIFY** – Ask questions to determine what the problem is



**UNDERSTAND**- Research the problem fully. Who does it affect? What may cause the problem? What might be possible solutions?



**IDEATE**- Use creative problem-solving to turn an idea into a solution.



**DESIGN**- Sketch a drawing of the solution and its design. Label the parts. out their prototype designs.



**BUILD**- Put your plans in action and build a model (a prototype).



**TEST**- Test the model to collect data and receive feedback.



**REDESIGN**- Make adjustments and improvements to their porotype. The Test and Re-Design steps may repeat several (or many) times until the inventor is satisfied with the results.



**COMMUNICATE**- Present your idea and your solution.