

Steps of the Invention Process



IDENTIFY – Ask questions and 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.

In small groups or as a class, discuss the following from the video: The Soccer Ball that Generates Energy. Record your responses:

What steps of the Invention Process were highlighted in the video?

How did Jessica approach the Invention Process? What did she do for each step used?