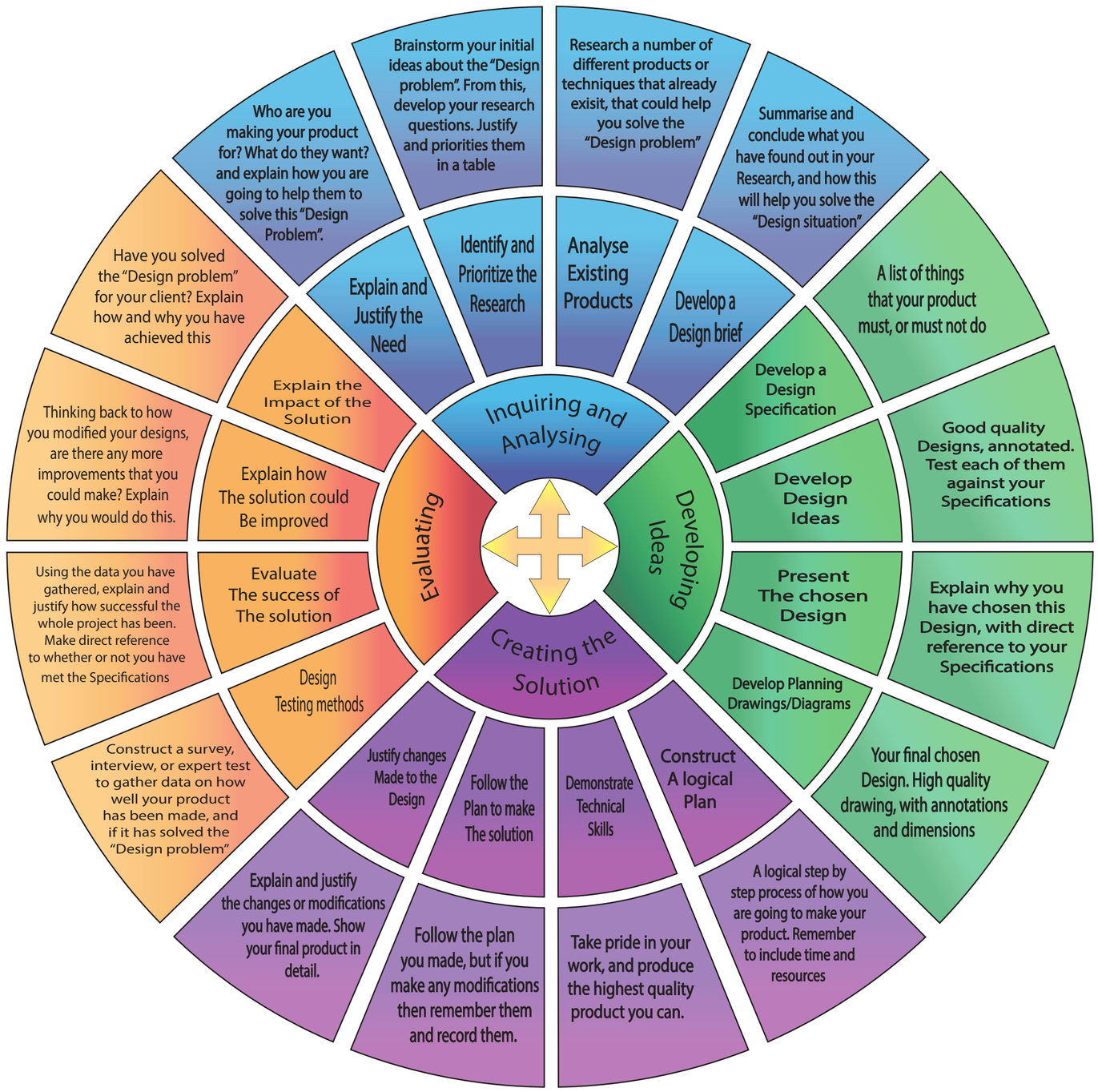
Inquiring and Analysing
Who are you making your product for? What do they want? and explain how you are going to help them to solve this "Design Problem".
Brainstorm your initial ideas about the "Design problem". From this, develop your research questions. Justify and priorities them in a table
Research a number of different products or techniques that already exisit, that could help you solve the "Design problem"
Summarise and conclude what you have found out in your Research, and how this will help you solve the "Design situation"
Explain and Justify the Need
Identify and Prioritize the Research
Analyse Existing Products
Develop a Design brief
Developing Ideas
A list of things that your product must, or must not do
Develop a Design Specification
Good quality Designs, annotated. Test each of them against your Specifications
Develop Design Ideas
Present The chosen Design
Explain why you have chosen this Design, with direct reference to your Specifications
Develop Planning Drawings/Diagrams
Your final chosen Design. High quality drawing, with annotations and dimensions
Creating the Solution
Construct A logical Plan
A logical step by step process of how you are going to make your product. Remember to include time and resources
Demonstrate Technical Skills
Take pride in your work, and produce the highest quality product you can.
Follow the Plan to make The solution
Follow the plan you made, but if you make any modifications then remember them and record them.
Justify changes Made to the Design
Explain and justify the changes or modifications you have made. Show your final product in detail.
Evaluating
Have you solved the "Design problem" for your client? Explain how and why you have achieved this
Explain the Impact of the Solution
Thinking back to how you modified your designs, are there any more improvements that you could make? Explain why you would do this.
Explain how The solution could Be improved
Using the data you have gathered, explain and justify how successful the whole project has been. Make direct reference to whether or not you have met the Specifications
Evaluate The success of The solution
Design Testing methods
Construct a survey, interview, or expert test to gather data on how well your product has been made, and if it has solved the "Design problem"