



DESIGNING A SOCCER BALL INVOLVES MULTIPLE ENGINEERING DISCIPLINES TO ENSURE IT MEETS PERFORMANCE STANDARDS, DURABILITY AND SAFETY REQUIREMENTS.

EACH OF THESE CONTRIBUTES TO THE OVERALL DESIGN AND PRODUCTION OF A GOOD HIGH-QUALITY SOCCER BALL.

**DESIGN ENGINEER:**

*Focuses on the ball's aesthetics, panel design, and surface texture to optimise aerodynamics and handling.*

**CHEMICAL ENGINEER:**

*Works on the formulation and the processing of the materials used, such as polymers and adhesives.*

**MECHANICAL ENGINEER:**

*Focuses on the overall design, structure, and material properties to ensure the ball's optimal performance.*

**ERGONOMICS ENGINEER:**

*Studies how the design of the ball interacts with players and conditions of play.*

**HOW MANY ENGINEERS DOES IT TAKE TO DESIGN A SOCCER BALL?**

**QUALITY ENGINEER:**

*Tests and ensures the ball meets industry standards as set by organisations like FIFA.*

**MATERIALS ENGINEER:**

*Involves selecting and developing the materials used for the ball, such as synthetic leather and rubber materials, to make sure it is flexible and strong.*



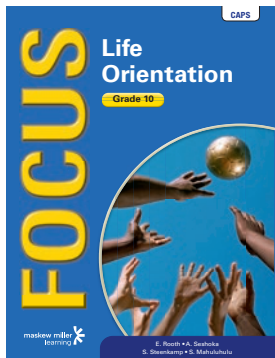
**MANUFACTURING ENGINEER:**

*Develops the manufacturing processes like cutting and stitching to produce a high quality ball.*

**INDUSTRIAL ENGINEER:**

*Ensures the production process is smooth and meets quality control standards.*

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