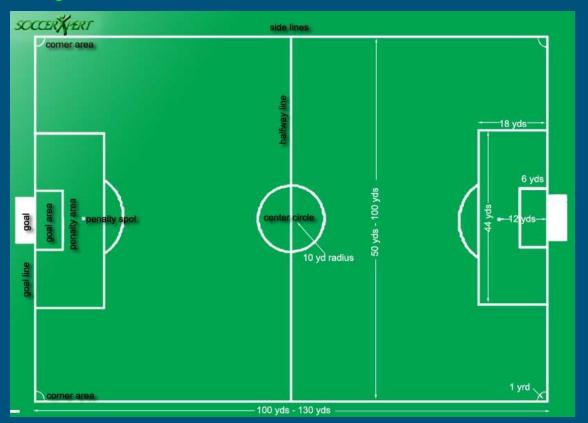
# Math in the Beautiful Game



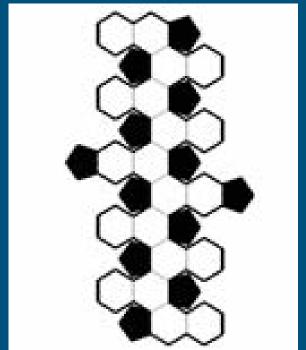




## Geometry



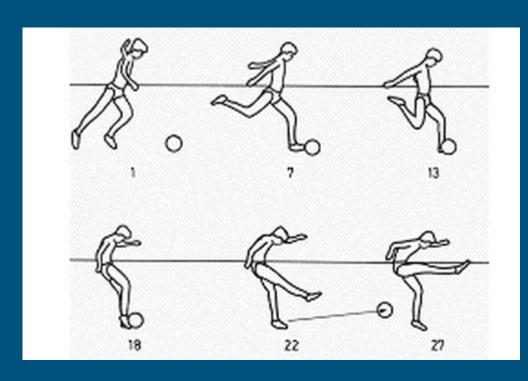


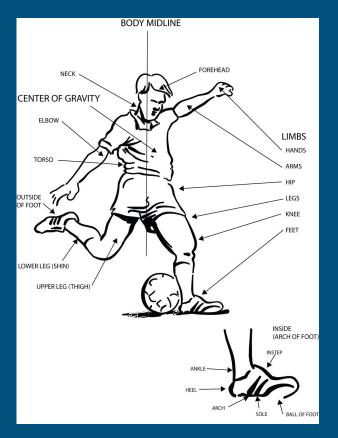


# Technique



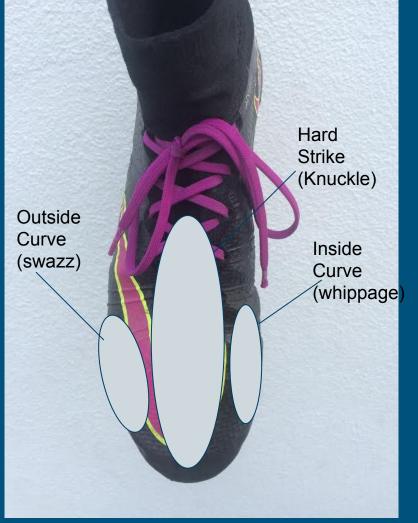
## Striking the Ball



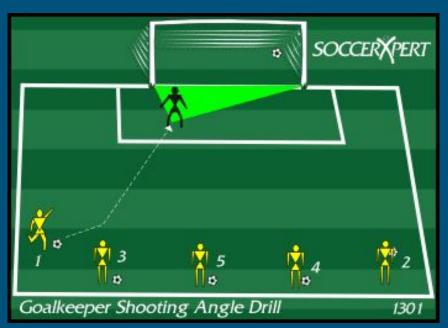


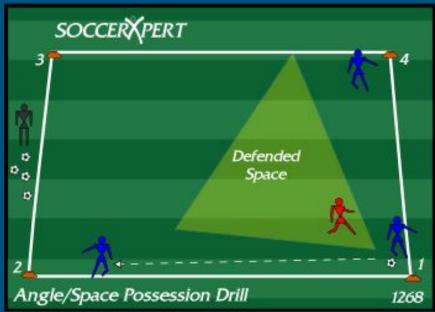
#### Strike Zones





### Angles





#### Formation

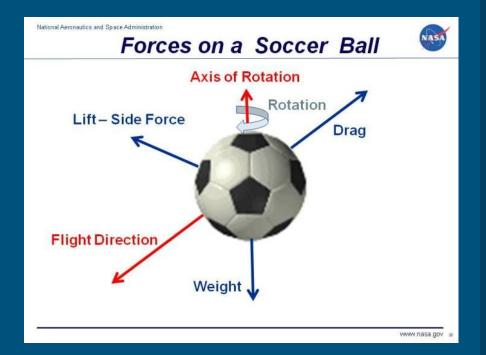


## Roberto Carlos- "Improbable Goal"



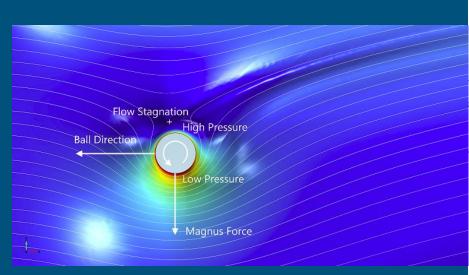
## Flight Path (Trajectory and Curvature)

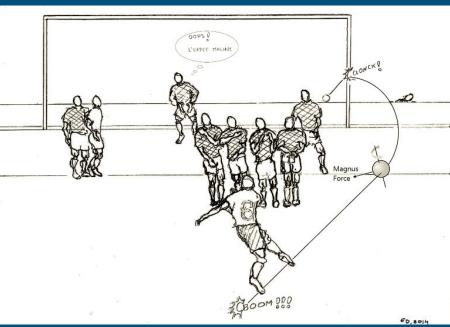




- Ball is kicked and rotation is given.
- Ball "curves" in direction the ball rotates.
- Typically ball struck with right foot curves towards the left and ball struck with left foot curves right.

## Magnus Force





#### Conclusion

- 1. Geometry
- 2. Technique
- 3. Angles
- 4. Flight Path



# Q & A

