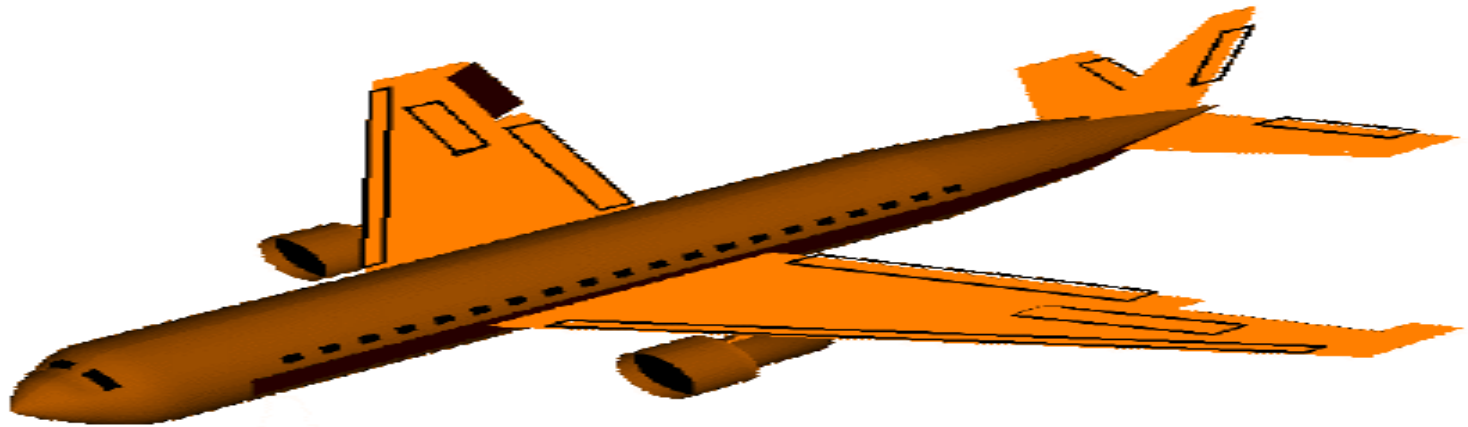


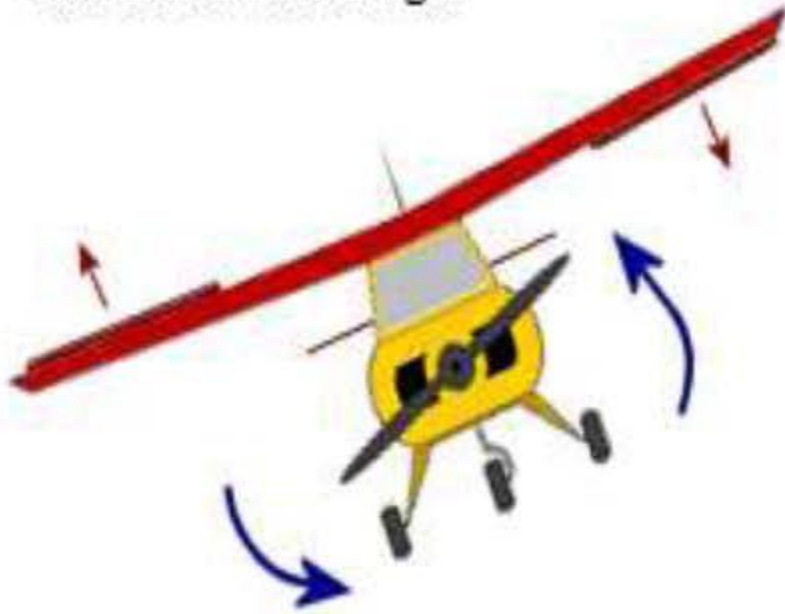
ROLE OF AILERONS



- To provide rolling motion i.e. rotation about the fuselage axis.

ROLE OF AILERONS

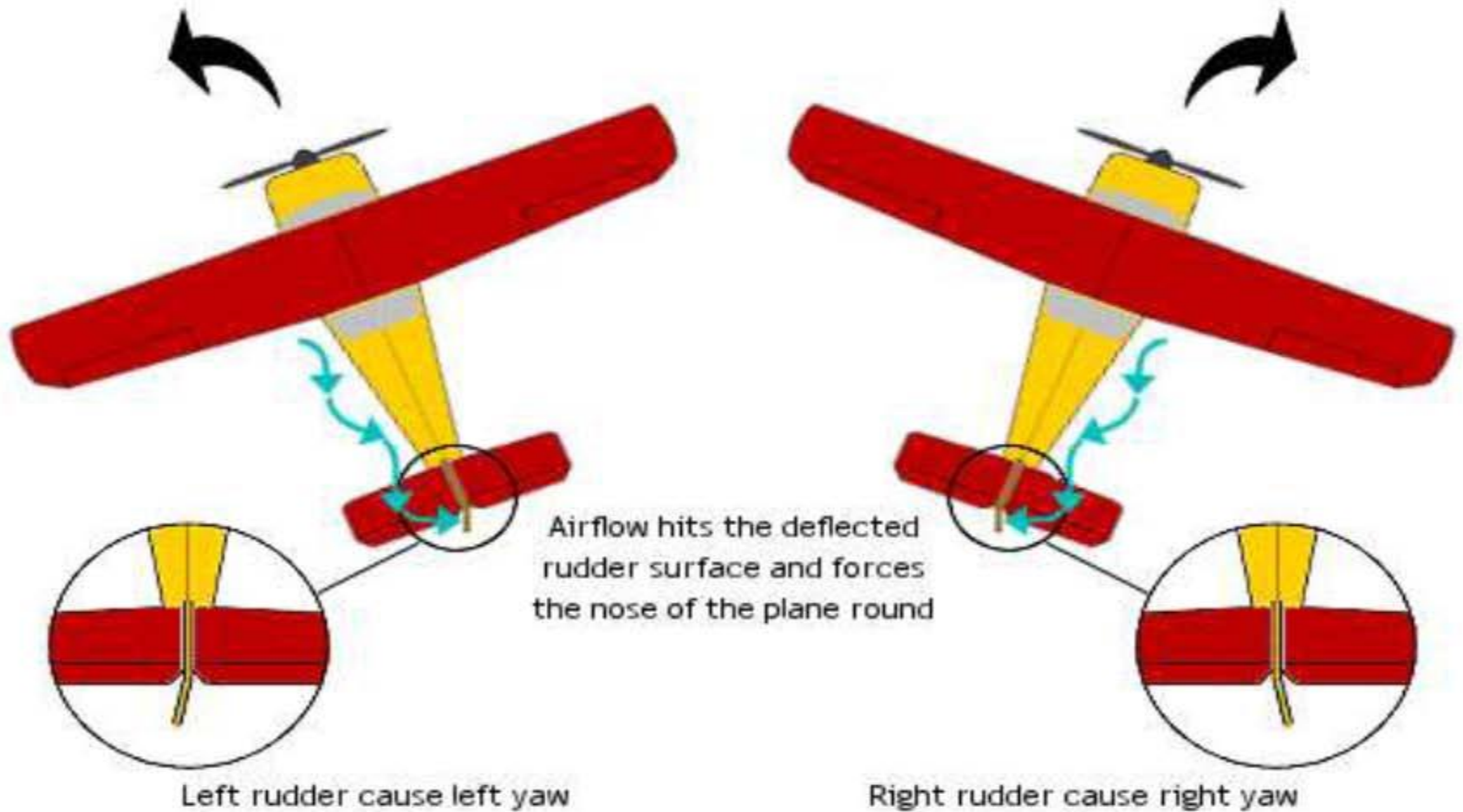
Left aileron down, right one up
causes a roll to the right



Left aileron up, right one down
causes a roll to the left

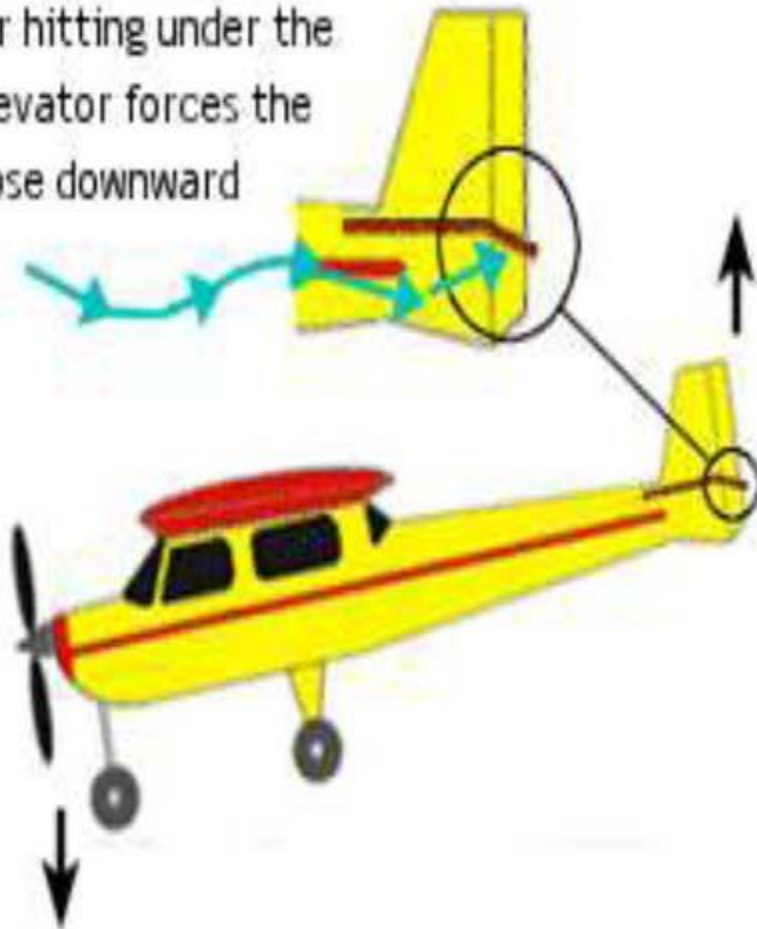


ROLE OF RUDDER

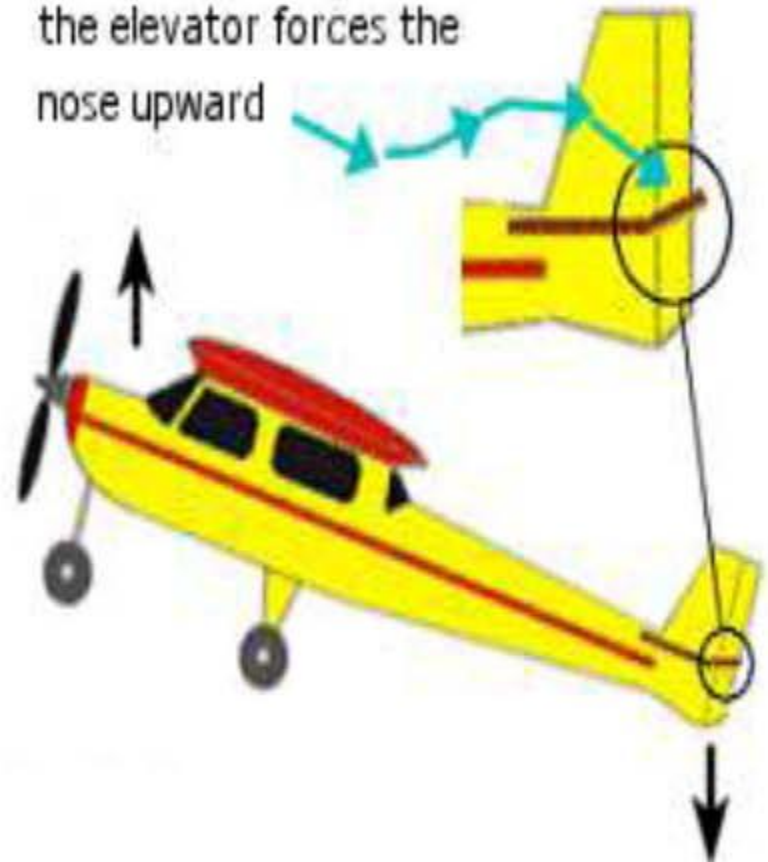


ROLE OF ELEVATOR

Air hitting under the elevator forces the nose downward



Air hitting the top of the elevator forces the nose upward



STRUCTURAL INTEGRITY

WING CONSTRUCTION:

- Several airfoils are cut from balsa wood
- These airfoils are connected using aluminium rod and balsa support rods
- The structure is partially covered with 1mm sheet balsa throughout the wing span
- Finally ailerons are attached to the wing

Following slides have some pictures of wings under construction:







