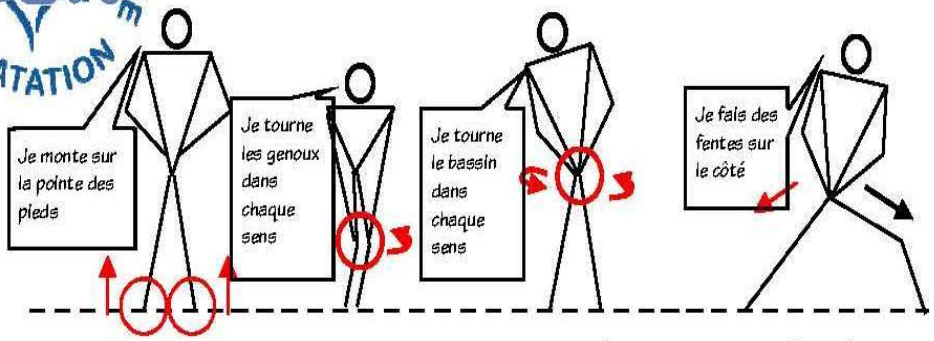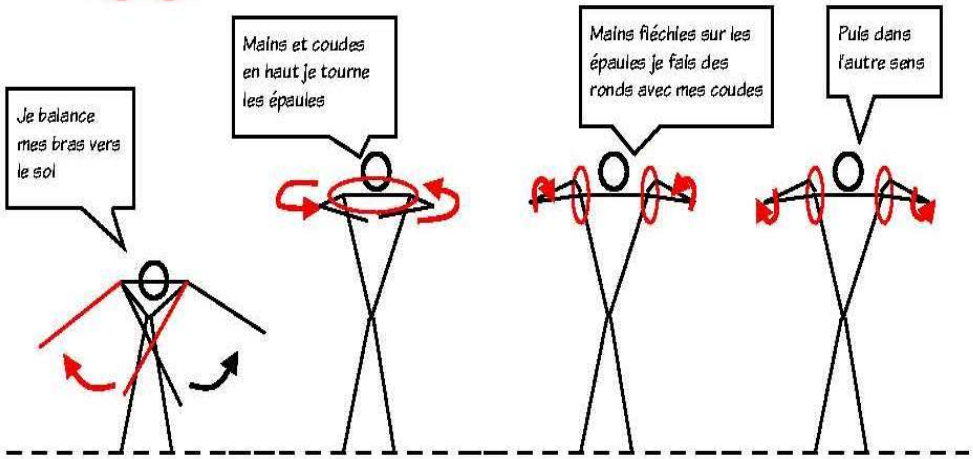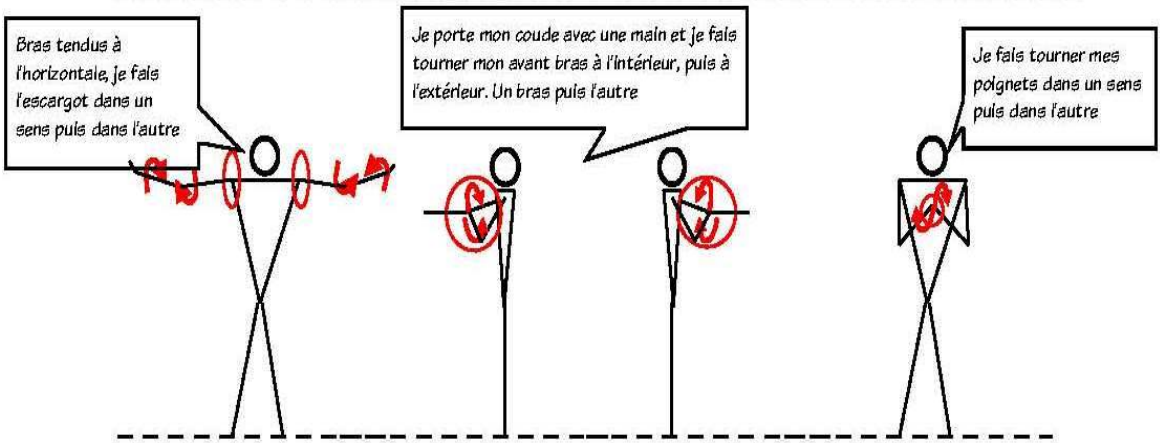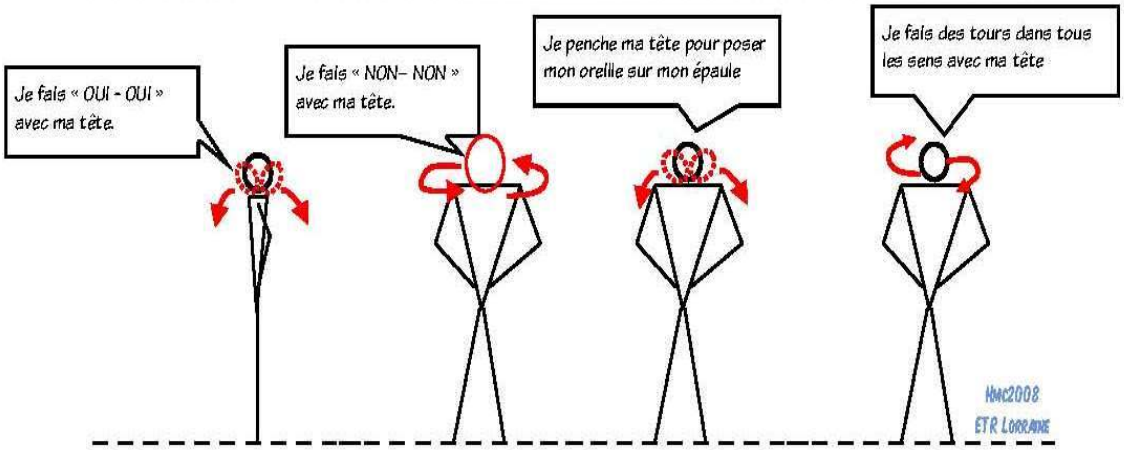ECHAUFFEMENT A SEC