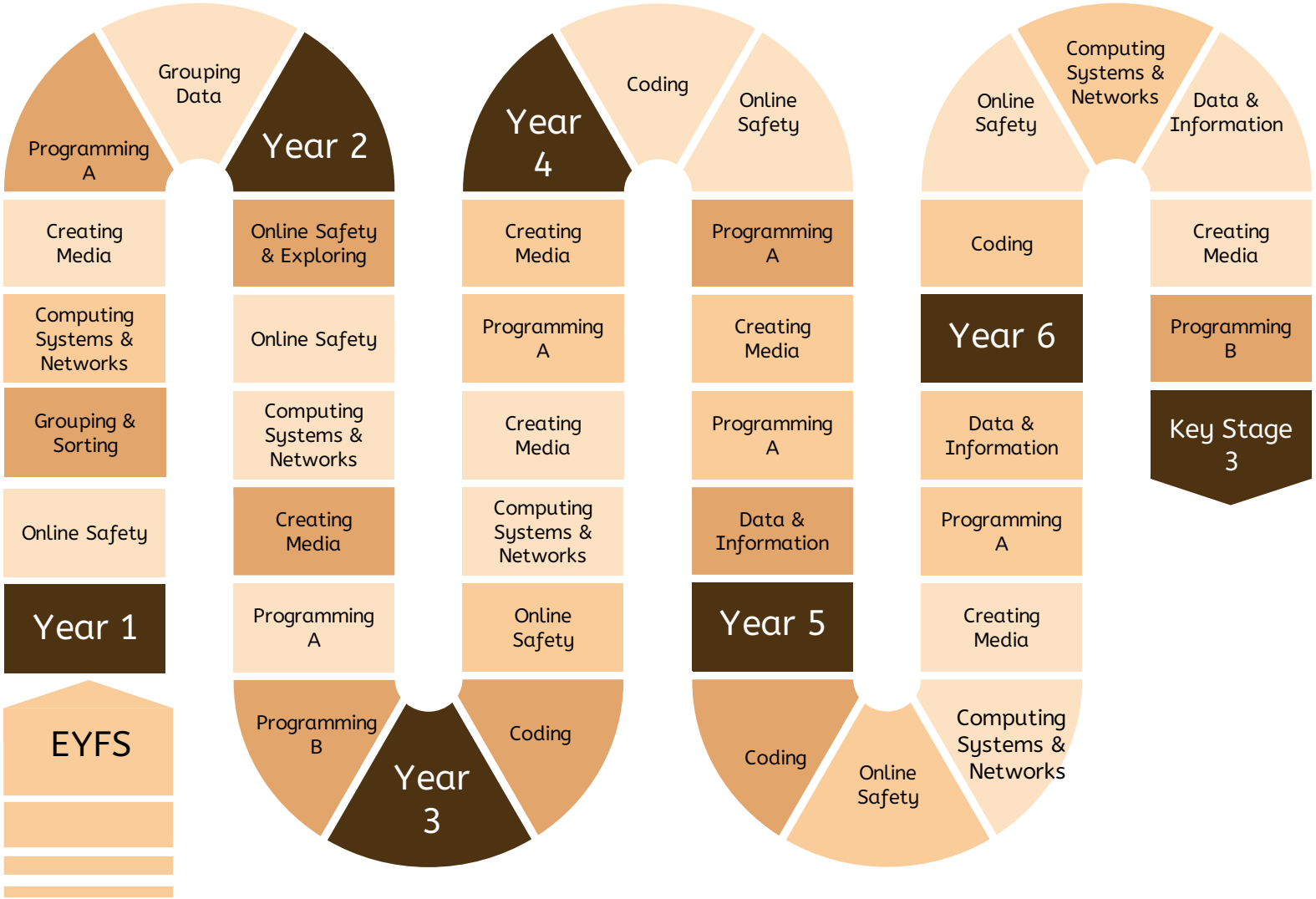Primary Computing