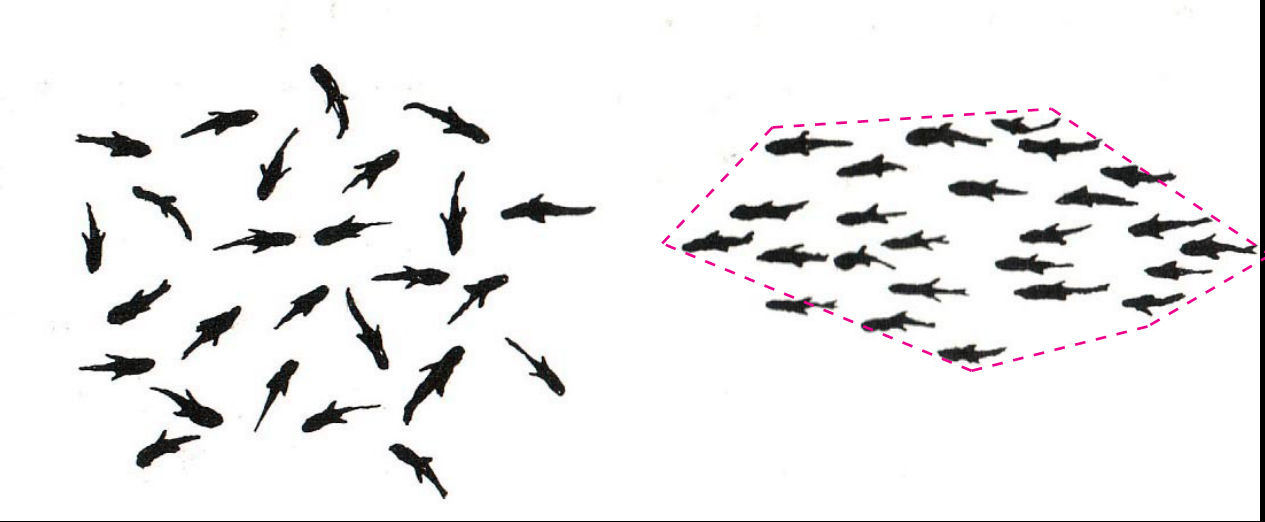
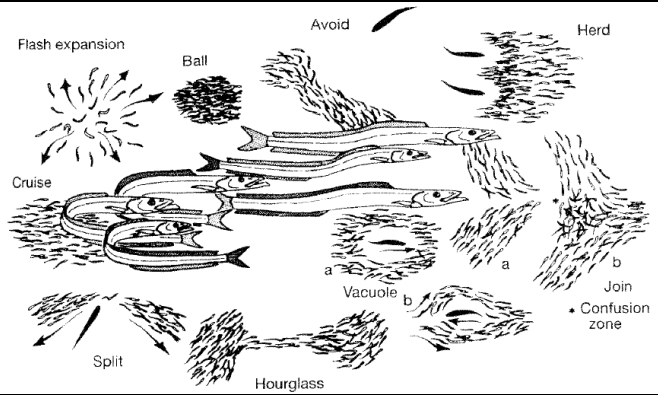
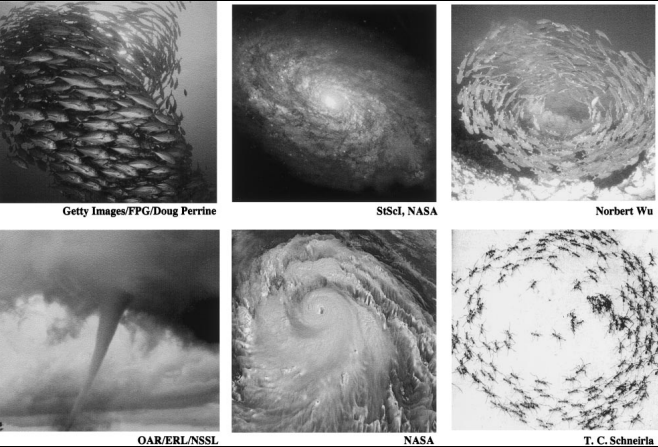


Shoaling Vs. Schooling:



Shoaling Schooling



Parameters:

- Environmental Obstacles
- Exposure to Predators
- Food Availability
- Level of Sexual Harassment

Variables:

- School Speed
- Density of School
- School Volume
- Homogeneity of Species
- Size of Fish
- Competition among Species
- Degree of Fitness

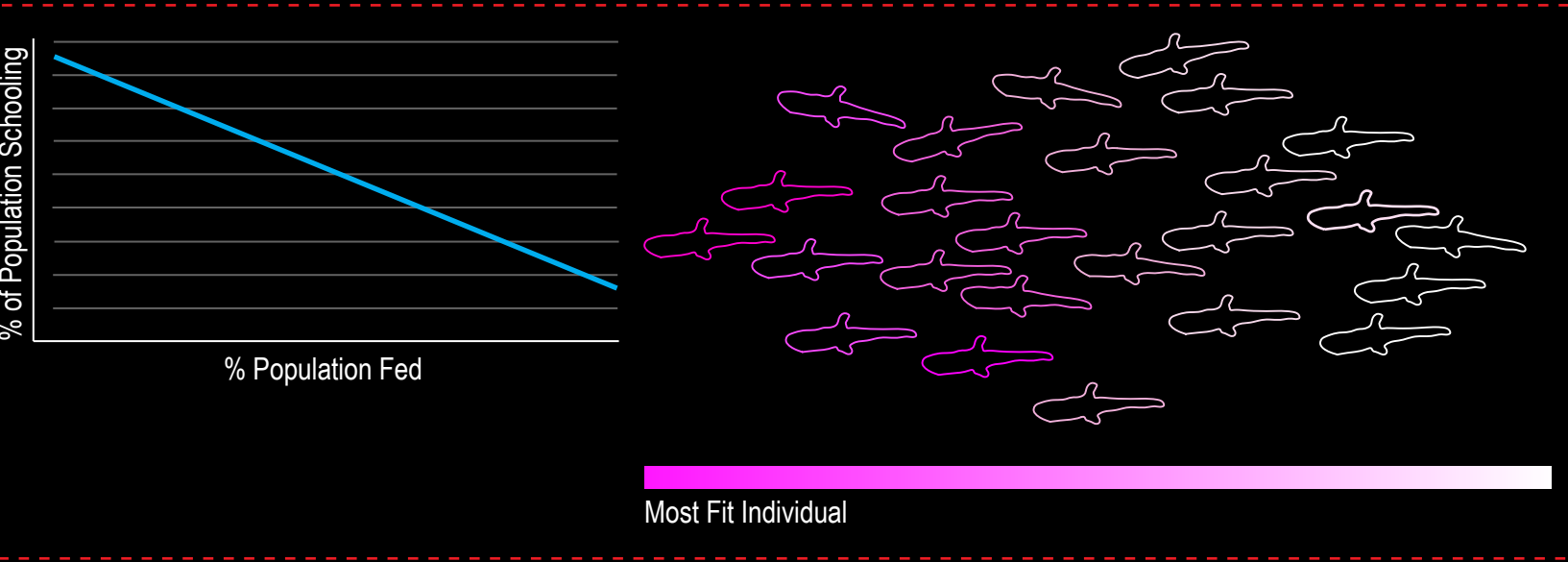
Affected Forces:

- Behavioral Matching
- Positional Preference
- Numerical Preference

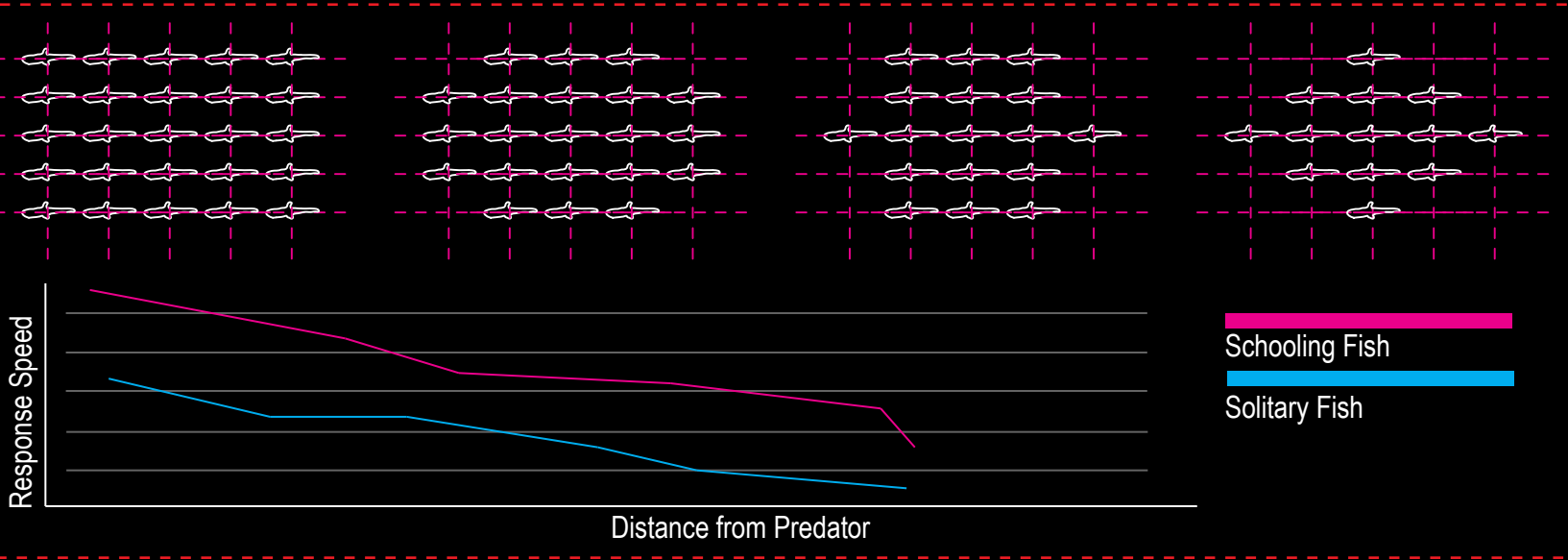
Form and Function:

Reasons for Schooling:

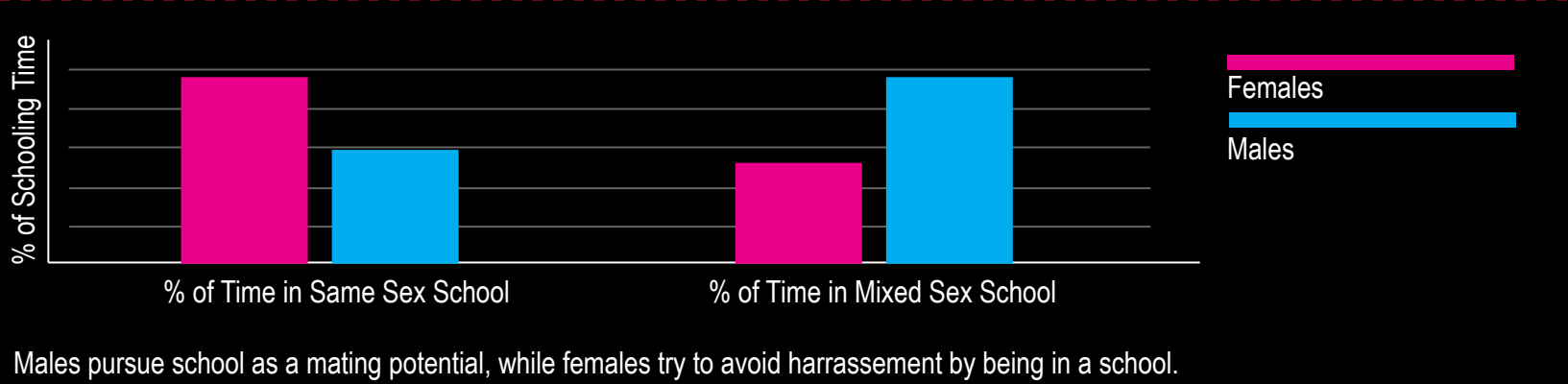
1. Foraging



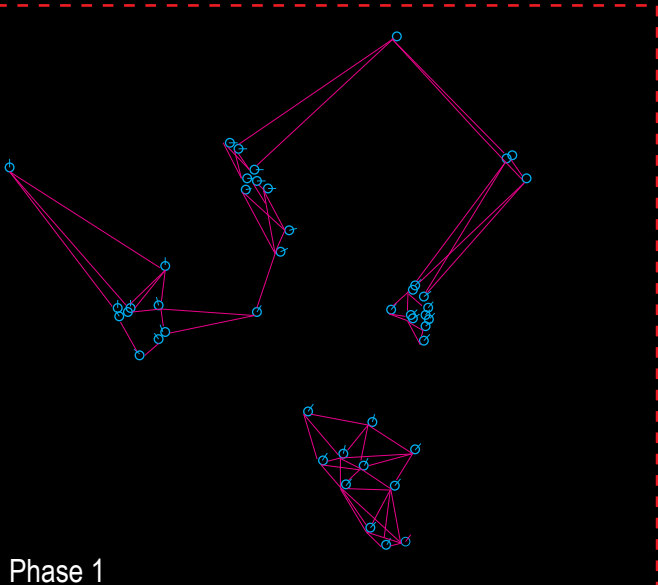
2. Anti Predatory Behavior



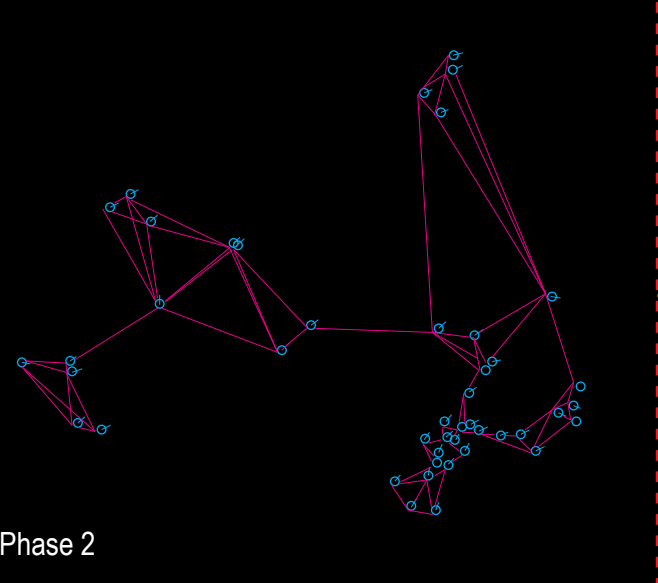
3. Mating



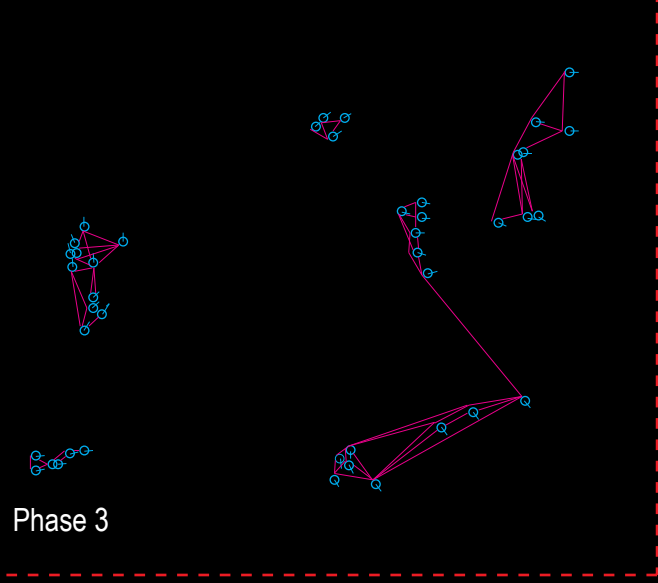
Males pursue school as a mating potential, while females try to avoid harrassement by being in a school.



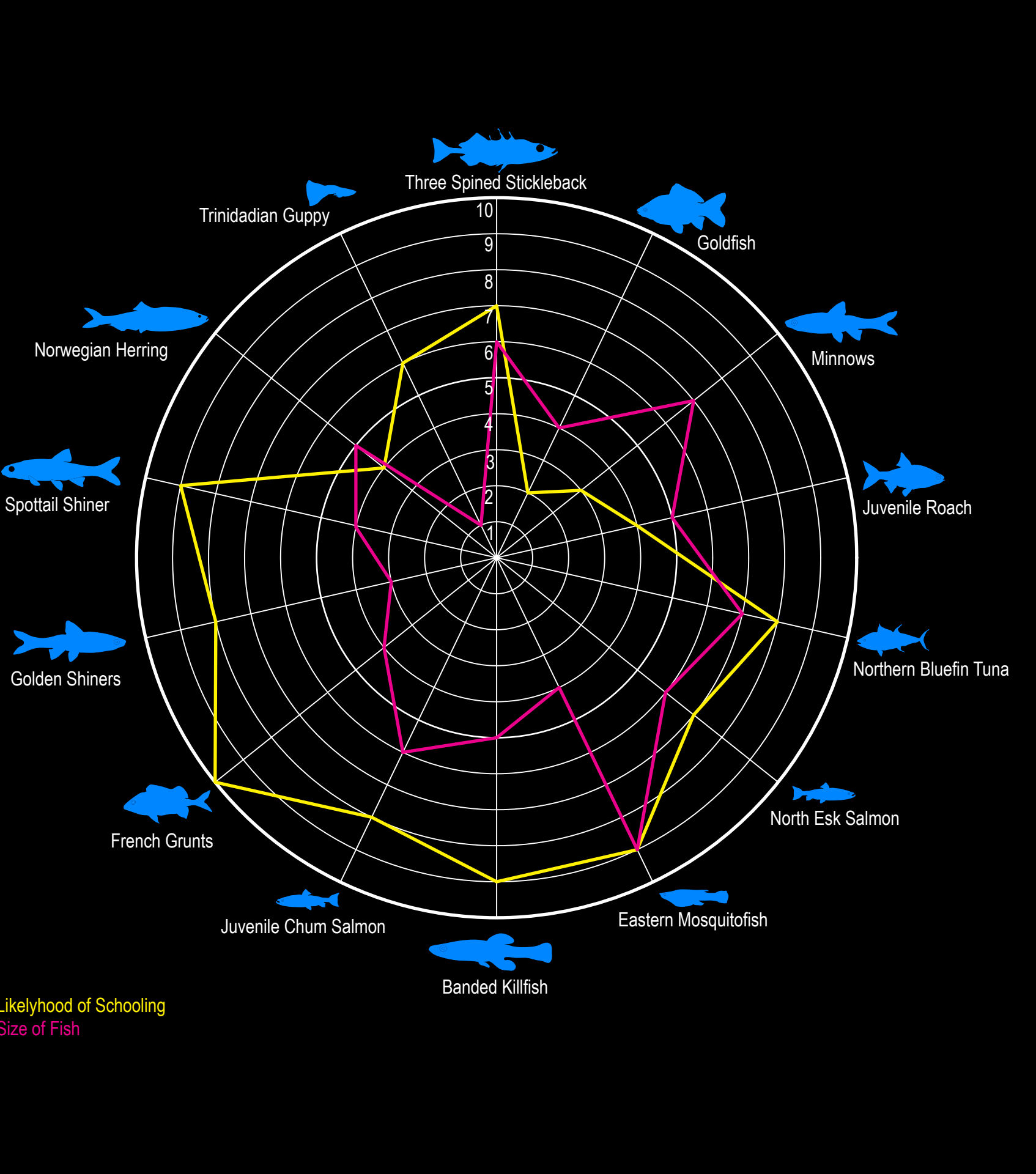
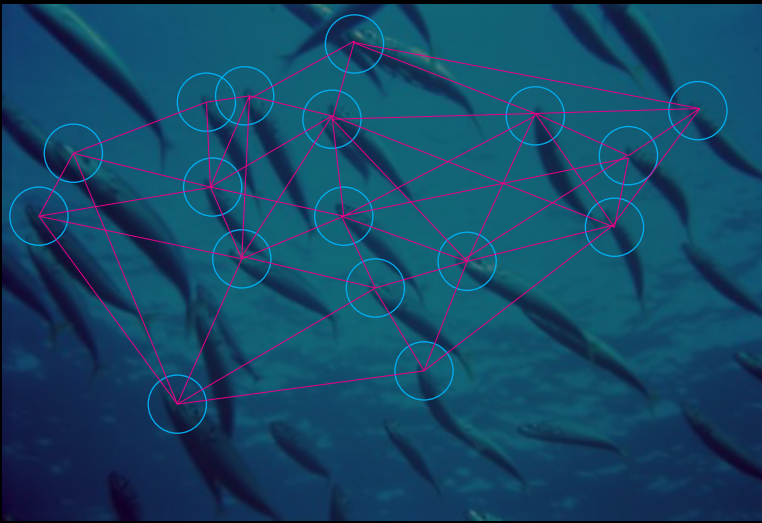
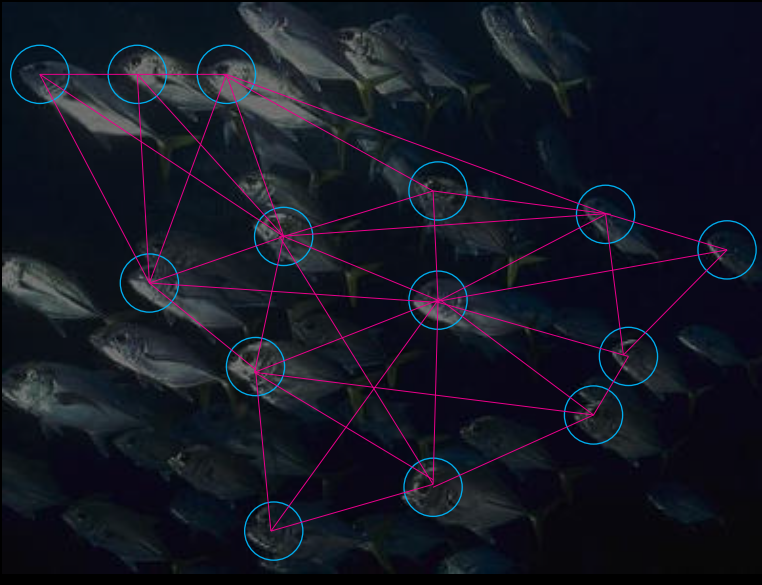
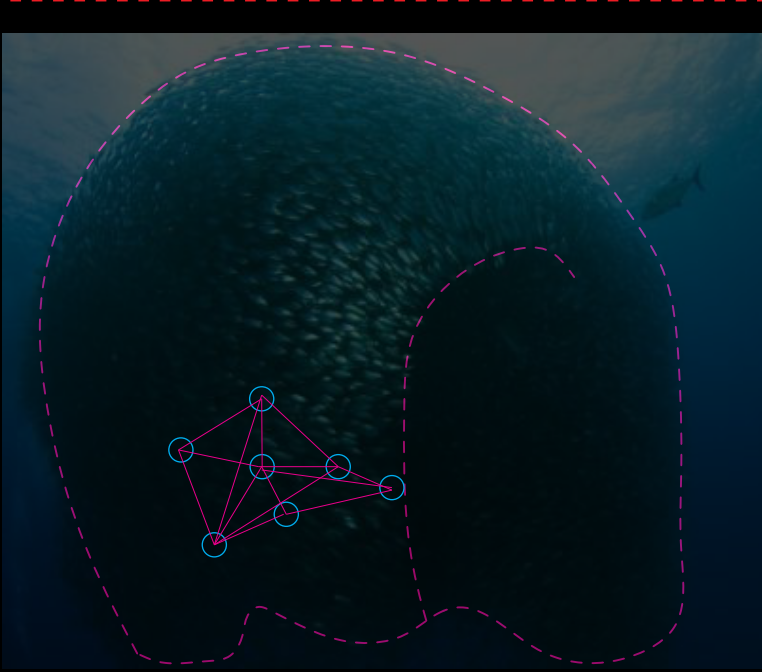
Phase 1



Phase 2



Phase 3



Likelihood of Schooling
Size of Fish