

# Team Flight Module

## (Middle School)

### Module Summary:

The Team Flight Middle School Module is designed to inspire a sense of stewardship and respect for migratory birds, and empower students to take personal action to conserve their local habitats. This is accomplished through hands-on inquiry, teamwork, and exploration of local ecosystems, whether on a nearby Corporate Lands for Learning such as Bayer Pittsburgh, a schoolyard, or backyard. The core of the module is the Field Journals, which lead students and instructors through an inquiry-based field study of four different habitats to discover the interdependence of birds and plants. In addition, there are optional pre-and post-visit lessons to complement the study visits. Students are encouraged to conduct a follow-up visit in spring to the habitat stations to investigate the affect of seasons on the habitat and wildlife. In addition, students participating in Wings of Wonder will conduct the migration series and track species with the assistance of schools and partners in Central America via the internet. An enrichment activity focusing on nesting birds through use of a nest box camera will allow students in both North and Central America to observe nesting and use Bayer's database to conduct research.

**Objective:** Students will understand the concepts of migration, habitat, and migratory birds through inquiry-based field studies, and tracking activities using the internet through Wings of Wonder. Students will investigate why birds migrate by studying their habitats.

**Grades:** Middle School

**Subject:** Science, botany, language, art, geography

**Skills:** Research, communication, plant identification, organization, team work, technology.

**Materials:** Internet access to Wings of Wonder (<http://trfn.clpgh.org/wings>), field journals, art supplies



# Team Flight Activities

## Fall

Fall Ecology Study Visit

Fall Field Journal *\*must print out on 8 1/2 x 14" paper\**

## Winter

Migration Mapping

Migration Mysteries

Migration Tracking (late winter/early spring)

Migration Tracking Journal *\*must print out on 8 1/2 x 14" paper\**

## Spring

Spring Ecology Study Visit

Spring Field Journal *\*must print out on 8 1/2 x 14" paper\**

## Enrichment

Nesting

Nest Monitoring Logs *\*must print out on 8 1/2 x 14" paper\**

## Assessment

Think about it...