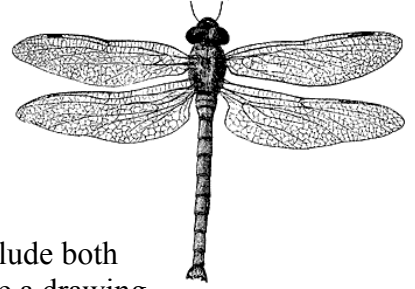


Name _____

Dragonfly Book Requirements

Each crew will create a non-fiction children's book about dragonflies. Your book will answer the guiding question "What does a dragonfly need to live?" and will require you to consider our other guiding question, "What makes a good non-fiction children's book?"



Your book has required and optional components. Each page should include both writing and art. For example, you could write a paragraph and then make a drawing to illustrate your point.

Required Components:

- Book structure
 - Title Page
 - Dedication
 - About the Authors
 - Bibliography
- Scientific Diagram (labeled) of a dragonfly
- Life cycle of dragonfly including nymphs, molting, and adulthood.
- Where dragonflies live—habitat
- ***What a dragonfly needs to live:***
 - Oxygen—tie in results of BOD lab and field tests (also tie in gross facts about where the nymphs breathe from); where does this oxygen come from?
 - Pollution factors—tie in DS lab and field tests
 - Food—tie in food web
- What does the presence of dragonfly nymphs mean about the health of a river? Why?
- What makes a bad habitat and why can't a dragonfly live here?
 - What can we do to ensure dragonflies have healthy environments?
- Food web showing what dragonflies eat, eventually showing how the energy from the sun is transferred to the dragonflies.
- What eats dragonflies?
 - Tie in previous knowledge about what nutrients a dragonfly has that provide energy. (hint: what three nutrients store energy? Check your Calories lab)

Optional Components:

- How a dragonfly survives (avoids being eaten):
 - Adaptations—how has it survived millions of years?
 - Relate large eyes to good vision, wing structure to superior flight, etc.
- How to raise your own dragonfly nymph
 - How to set up an aquarium
 - What factors to keep in mind
- Questions we wrote on papers in hallway answered
- Questions from younger students answered