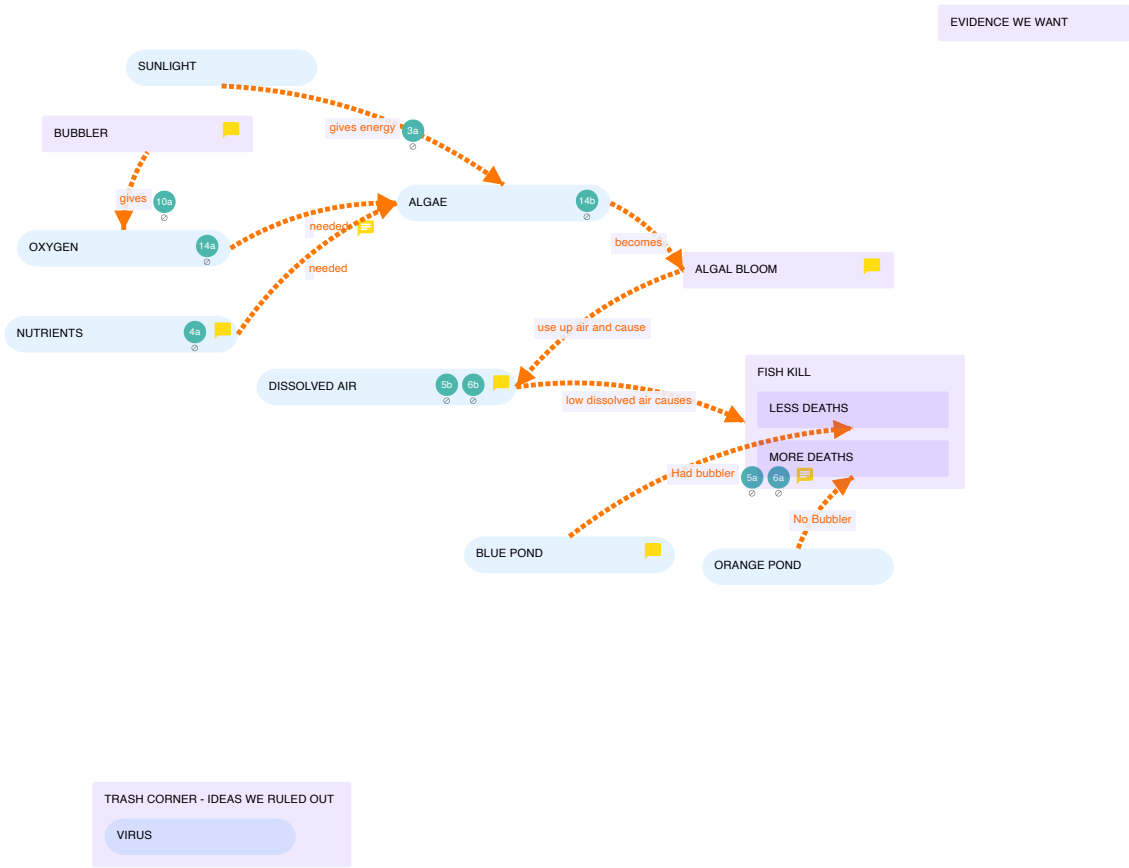MODEL:     Group One Model              by One Group                                                              INSTRUCTORSTHREE : THREE



# Model: Group One Model

   COMMENTS:

# ENTITIES

LABEL: Algae
DESCRIPTION: Tiny green plants that float on the surface of the pond.
   COMMENTS:

LABEL: Dissolved air
DESCRIPTION: Fish need to breathe the air.
   COMMENTS:

   AUTHOR: HAMMERHEAD-Y3TN
   DATE: 03:52 PM May 14
   COMMENT CRITERIA: Supported by evidence : Does the evidence we have show that the model works this way? Is there any contradictory evidence that says the model doesn't work this way?
   COMMENT: We like that you linked evidence to almost all of your entities and processes of your model! But we noticed that there were no conclusions or descriptions in your evidence links. If you could add those it would us understand your model better.

LABEL: Sunlight
DESCRIPTION:
   COMMENTS:

LABEL: Oxygen
DESCRIPTION:
   COMMENTS:

LABEL: Nutrients
DESCRIPTION:
   COMMENTS:

   AUTHOR: INSTRUCTORSTHREE-8PF3
   DATE: 05:04 PM May 12
   COMMENT CRITERIA: Supported by evidence : Does the evidence we have show that the model works this way? Is there any contradictory evidence that says the model doesn't work this way?
   COMMENT: We understand all of your steps and mostly how you go to them. However, if we were looking at tis for the first not undertstanding anything we wouldn't be entirely convinced that this model accurate because we do not see any evidence linked to any of the steps so there is no proving that this steps are actually true and this is what caused the fish kill.

   AUTHOR: STUDENTSTWO-29BX
   DATE: 05:45 PM May 12
   COMMENT CRITERIA:
   COMMENT: we think that you should add the part where rain comes and helps give the nutrients in the description or somewhere people can get to it easily.

LABEL: Blue Pond
DESCRIPTION: There should not have been fish deaths in blue pond
   COMMENTS:

   AUTHOR: DR. RAO-XYSM
   DATE: 03:56 PM May 14
   COMMENT CRITERIA: Question or Response: Use this label when replying to a comment.
   COMMENT: Hello team! Our team at Fresh Org noticed your conclusion for evidence link 5a. We thought it was an excellent point, and decided to have our team look deeper into it! We found that some fish still die even even at medium stress levels with dissolved oxygen levels between 3-7 mg/L. We hope this helps!

MODEL:  Group One Model        by One Group

INSTRUCTORSTHREE : THREE

COMMENTS:

# OUTCOMES

LABEL: Algal Bloom
DESCRIPTION: When a whole lot of algae appears all at once in the pond. You can tell because the water color changes from all of the algae.
COMMENTS:

AUTHOR: HAMMERHEAD-Y3TN
DATE: 03:47 PM May 14
COMMENT CRITERIA: Shows all steps in process: Does the model show all of the important steps? Does it have extras that we don't need?
COMMENT: We are wondering why the algae became an algal bloom? You list several reasons why algae grows, but it isn't clear to us why it became an algal bloom suddenly.

LABEL: Fish Kill
DESCRIPTION: When large numbers of fish die in a short time.
COMMENTS:

LABEL: Less Deaths
DESCRIPTION:
COMMENTS:

LABEL: More deaths
DESCRIPTION:
COMMENTS:

LABEL: Trash corner - ideas we ruled out
DESCRIPTION:
COMMENTS:

LABEL: Virus
DESCRIPTION:
COMMENTS:

LABEL: Evidence we want
DESCRIPTION: Do algae need sunlight? Is there a way to stop algal blooms? Do the algae take away the air? Can we stop it from doing that? What causes algal blooms? What animals eat algae? What types of fish died? Is anyone cleaning the ponds? Is there away to take away or add dissolved air? What type of algae is in the pond? What does algae eat/need to grow?
COMMENTS:

LABEL: Bubbler
DESCRIPTION:
COMMENTS:

AUTHOR: INSTRUCTORSTHREE-8PF3
DATE: 04:58 PM May 12
COMMENT CRITERIA: Understandable: Is this model understandable? Is there anything confusing that could be clarified?
COMMENT: We totally agree that the bubbler increases the amount of dissolved oxygen however we don't understand how it gives oxygen that was a little confusing and we didn't totally understand the step. Other wise we think you guys did a fantastic job, and that we have lots to learn from you!

AUTHOR: ISLS_DEMO_ELEMENTARY-GKGTN
DATE: 04:00 PM Jun 10
COMMENT CRITERIA: Supported by evidence : Does the evidence we have show that the model works this way? Is there any contradictory evidence that says the model doesn't work this way?
COMMENT:

# PROCESSES

SOURCE: entity/Algae
TARGET: outcome/Algal Bloom
LABEL: becomes
DESCRIPTION:
COMMENTS:

SOURCE: outcome/Algal Bloom
TARGET: entity/Dissolved air
LABEL: use up air and cause
DESCRIPTION:
COMMENTS:

SOURCE: entity/Dissolved air
TARGET: outcome/Fish Kill
LABEL: low dissolved air causes
DESCRIPTION:
COMMENTS:

SOURCE: entity/Sunlight
TARGET: entity/Algae
LABEL: gives energy
DESCRIPTION:
COMMENTS:

SOURCE: entity/Oxygen
TARGET: entity/Algae
LABEL: needed
DESCRIPTION:
COMMENTS:

MODEL:    Group One Model          by One Group                                                    INSTRUCTORSTHREE : THREE

COMMENT CRITERIA: Understandable: Is this model understandable? Is there anything confusing that could be clarified?

COMMENT: Algae is the one that is taking the oxygen from the fish and we don't think that the oxygen needs the algae we think its the other way around.

SOURCE: entity/Nutrients
TARGET: entity/Algae
LABEL: needed
DESCRIPTION:
COMMENTS:

SOURCE: outcome/Bubbler
TARGET: entity/Oxygen
LABEL: gives
DESCRIPTION:
COMMENTS:

SOURCE: entity/Blue Pond
TARGET: outcome/Less Deaths
LABEL: Had bubbler
DESCRIPTION:
COMMENTS:

AUTHOR: STUDENTSTWO-29BX
DATE: 05:42 PM May 12
COMMENT CRITERIA: Understandable: Is this model understandable? Is there anything confusing that could be clarified?
COMMENT: we thought that it happened to both ponds but more to orange than blue

AUTHOR: INSTRUCTORSONE-3XFW
DATE: 05:03 PM May 19
COMMENT CRITERIA:
COMMENT:

SOURCE: entity/Orange Pond
TARGET: outcome/More deaths
LABEL: No Bubbler
DESCRIPTION:
COMMENTS:

# EVIDENCE LIBRARY

## (1) Our Ideas

NOTES: Feel free to add your ideas directly to the document so you can use them as evidence.

No evidence