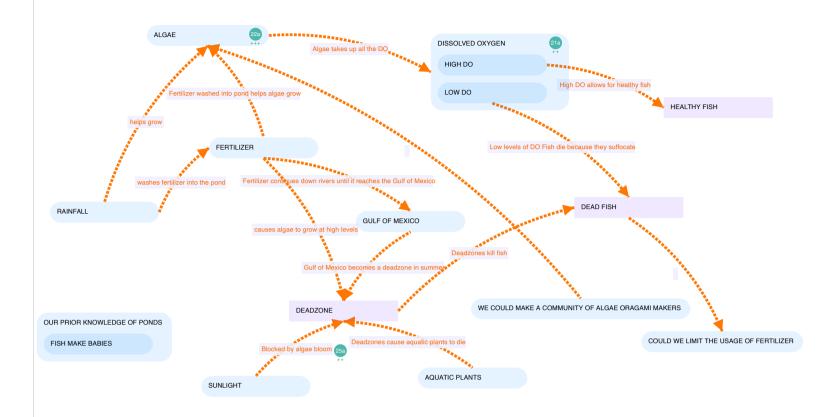
MODEL: Octopus Consensus Mc by Octopus Group

MRADKISSON: TEACHER



Model: Octopus Consensus Model

COMMENTS:

ENTITIES

LABEL: Algae
DESCRIPTION: It is a problem
COMMENTS:

LABEL: Dissolved Oxygen
DESCRIPTION:
COMMENTS:

LABEL: High DO DESCRIPTION: COMMENTS:

LABEL: Low DO
DESCRIPTION:
COMMENTS:

LABEL: Rainfall DESCRIPTION: COMMENTS:

LABEL: Fertilizer
DESCRIPTION:
COMMENTS:

LABEL: Sunlight DESCRIPTION: COMMENTS:

LABEL: Aquatic Plants DESCRIPTION: COMMENTS:

LABEL: Our prior knowledge of ponds DESCRIPTION:

COMMENTS:

LABEL: Fish make babies DESCRIPTION: COMMENTS:

LABEL: Gulf of Mexico DESCRIPTION: COMMENTS:

LABEL: could we limit the usage of fertilizer
DESCRIPTION: that could stop the algae maybe
COMMENTS:

LABEL: we could make a community of algae oragami makers

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MODEL: Octopus Consensus Mc by Octopus Group MRADKISSON: TEACHER

OUTCOMES

LABEL: Dead Fish DESCRIPTION: COMMENTS:

LABEL: Healthy Fish DESCRIPTION: COMMENTS:

LABEL: Deadzone DESCRIPTION: COMMENTS:

PROCESSES

SOURCE: entity/Algae TARGET: entity/Dissolved Oxygen LABEL: Algae takes up all the DO DESCRIPTION: COMMENTS:

SOURCE: entity/Low DO TARGET: outcome/Dead Fish

LABEL: Low levels of DO Fish die because they suffocate

DESCRIPTION: COMMENTS:

SOURCE: entity/Rainfall TARGET: entity/Algae LABEL: helps grow DESCRIPTION: COMMENTS:

SOURCE: entity/Rainfall TARGET: entity/Fertilizer

LABEL: washes fertilizer into the pond

DESCRIPTION: COMMENTS:

SOURCE: entity/Fertilizer TARGET: entity/Algae

LABEL: Fertilizer washed into pond helps algae grow

DESCRIPTION: COMMENTS:

SOURCE: entity/High DO TARGET: outcome/Healthy Fish LABEL: High DO allows for healthy fish

DESCRIPTION: COMMENTS:

SOURCE: entity/Fertilizer TARGET: entity/Gulf of Mexico

LABEL: Fertilizer continues down rivers until it reaches the Gulf of Mexico

DESCRIPTION: COMMENTS:

SOURCE: entity/Fertilizer TARGET: outcome/Deadzone

LABEL: causes algae to grow at high levels

DESCRIPTION:

COMMENTS:

SOURCE: entity/Gulf of Mexico TARGET: outcome/Deadzone

LABEL: Gulf of Mexico becomes a deadzone in summer

DESCRIPTION: COMMENTS:

SOURCE: outcome/Deadzone

TARGET: outcome/Dead Fish LABEL: Deadzones kill fish DESCRIPTION: COMMENTS:

SOURCE: entity/Sunlight TARGET: outcome/Deadzone LABEL: Blocked by algae bloom

DESCRIPTION: COMMENTS:

SOURCE: entity/Aquatic Plants TARGET: outcome/Deadzone

LABEL: Deadzones cause aquatic plants to die

DESCRIPTION: COMMENTS:

SOURCE: outcome/Dead Fish

TARGET: entity/could we limit the usage of fertilizer

LABEL: DESCRIPTION:

COMMENTS:

SOURCE: entity/we could make a community of algae oragami makers

TARGET: entity/Algae

DESCRIPTION:

COMMENTS:

EVIDENCE LIBRARY

(1) Our Ideas

NOTES:

No evidence

(17) Story Setup

167.172.147.247:3000/#/print 2/3 12/8/21, 11:20 AM MEME

MODEL: Octopus Consensus Mc by Octopus Group

MRADKISSON: TEACHER

No evidence

(18) Farmer's Inventory List

NOTES:

No evidence

(19) Water Quality

NOTES:

No evidence

(20) Dissolved Oxygen in Tanks

NOTES:

No evidence

(21) Dissolved Oxygen in Blue Pond

NOTES:

Evidence 21a

DESCRIPTION: Dissolved oxygen levels decrease from algae in the summer TARGET: entity/Dissolved Oxygen RATING: 2

WHY:

SCREENSHOT: /screenshots/kvmevstt.jpg

COMMENTS:

(22) Algae and Oxygen

NOTES:

Evidence 22a

DESCRIPTION: Algae sucks up dissolved oxygen faster than the fish

TARGET: entity/Algae

RATING: 3 WHY:

SCREENSHOT: /screenshots/kvmeqp65.jpg

COMMENTS:

(23) Algae Growth

NOTES:

No evidence

(24) Fish Autopsy Results

NOTES:

No evidence

(25) Algal Blooms and Deadzones

NOTES:

Evidence 25a

DESCRIPTION: Deadzones cause algal blooms, which block sunlight, take up oxygen, and kill fish and other plants

TARGET: process/Blocked by algae bloom

RATING: 2

WHY: SCREENSHOT:

COMMENTS:

(26) Fertilizer and Farms

NOTES: :)

No evidence