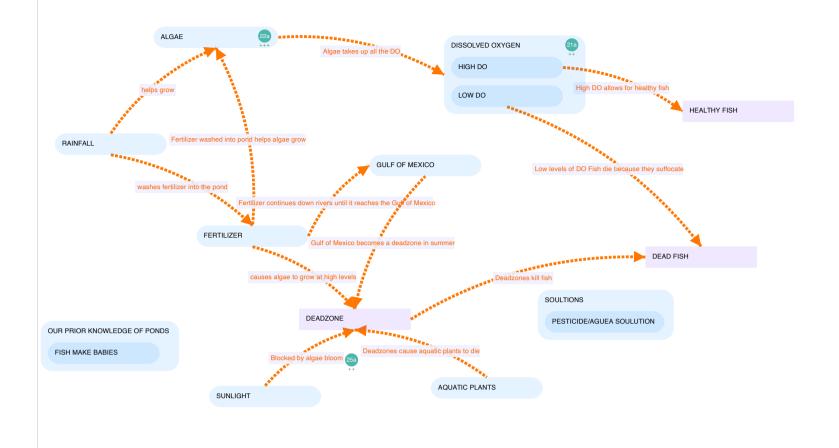
MODEL: Dolphin Conse by Dolphin Group MRADKISSON : TEACHER



READ M

# Model: Dolphin Conse

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:

COMMENTS:

LABEL: Our prior knowledge of ponds DESCRIPTION:

LABEL: Fish make babies DESCRIPTION:

COMMENTS:

LABEL: Gulf of Mexico DESCRIPTION: COMMENTS:

LABEL: soultions
DESCRIPTION:
COMMENTS:

LABEL: pesticide/aguea soulution

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30 we could

MRADKISSON: TEACHER

2/3

MEME

MODEL: Dolphin Conse COMMENTS:

by Dolphin Group

DESCRIPTION: Never gonna give you up Never gonna let you down and run around and desert you Never gonna make you cry Never gonna say goodbye Never gonna tell a lie and hurt you COMMENTS:

## **OUTCOMES**

LABEL: Dead Fish DESCRIPTION: COMMENTS:

LABEL: Read me

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// entitizer

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:

# **EVIDENCE LIBRARY**

## (1) Our Ideas

NOTES:

No evidence

# (17) Story Setup

NOTES:

No evidence

(18) Farmer's Inventory List

NOTE

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12/8/21, 11:17 AM MEME

MODEL: Dolphin Conse by Dolphin Group MRADKISSON : TEACHER

#### (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