

Wealth & Worth of Delaware Wetlands Science Dominoes activity

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adapted from: www.learningwheels.com/lifesciencedominoesgrades3-up.aspx

Class Time: 15-20 minutes

Subjects: Can be used for any Science, Math, History or Language Arts review activity

Grade Level: Grades 5 and up

Materials: cut-out Domino game cards (1 set for each team of 2-4 students); copy of master answer sheet (to check students for correct solution)

Overview: After viewing the "*Wealth & Worth of Delaware Wetlands*" PowerPoint, students, working in teams, are challenged to see who can be the first to correctly line up answers and clues to a set of 15 domino game cards, so that all answers line up next to the clue that best fits each. Alternative versions of the cards may be developed to assess student knowledge on various other topics.

Instructions:

1. Print, cut-out, and rubber band sufficient sets of domino cards for the number of teams of students in your class (I copy the sets on different colors of card stock so they are easier to keep track of should cards get mixed). Copy also one uncut card sheet (showing the correct order of cards for winning the game).
2. Distribute the card sets to each team, instructing them as follows: "*This set of cards contains clues and answers to questions on things you have learned about Delaware wetlands.*" Each card is divided in half, with one side containing an answer that fits a certain clue, and the other a clue that fits a different answer. Your challenge is to align the cards from the one that says "START" to the one that reads "END" in such a way that all answers connect to the clue that best fits them. The first team to get all cards in the correct order wins."
3. As students work on the challenge, circulate around observing how they are working together on the task, offering encouragement where they seem to be struggling. Use the master printout to check any team that thinks they have the problem solved. Make note of the team that gets all the cards in the right order first.
4. Time permitting, challenge the rest of the teams to keep at it until they get it right or alternatively, stop the game after the winner is determined and go over the correct answers with the class. As an extension - to engage the winning team while the others are still working - challenge them to create their own set of cards.

WETLAND START Dominoes	Hydrophytes	What scientists call plants adapted to growing in the wet soils of wetlands	25	Percentage of Delaware's land area today that is wetlands	Wetlands
Areas of land that are saturated or inundated with water for at least part of the year	Residential Development	One of the major threats to wetland loss in Delaware today	Delaware	State that boasts the northernmost Cypress swamps in the country	Hundreds
Number of acres of Delaware wetlands that are being lost each year	Mitigation	Name for process of creating new wetlands to replace those lost to development	Nature's Kidneys	Refers to the capacity of wetlands for cleaning water	Coastal Plain Ponds
Name for hundreds of small seasonal wetlands that dot Delaware landscape	Alaska	State that has the most total acres of wetlands	Freshwater Hardwood Swamps	Most abundant type of wetland by acreage in Delaware today	Restoration
a way of helping DE wetlands by bringing degraded habitats back to better quality	Nursery areas	Refers to the key role wetlands play in growing abundant fish and wildlife resources	50	Percentage of Delaware's wetlands lost since colonial times	Hydric
Soil type that represents a defining feature of wetlands	Coastal (Estuarine) Tidal Wetlands	The best protected wetland type in Delaware today	Louisiana	Where loss of coastal wetlands magnified Hurricane Katrina's impacts	WETLAND END Dominoes

<i>Science</i> START <i>Dominoes</i>					
					<i>Science</i> END <i>Dominoes</i>

Science
START
Dominoes

Science
END
Dominoes