

Name(s): _____

Date: _____

Teacher: _____

Class Period: _____

LEGO WeDo – Flapping Bird – Science/Math Extensions



Bird Science: Adaptations

Why are there so many kinds of birds? What are some of the way they differ?
 Birds live in many different environments and have different ways of surviving.
 Research the following information about bird adaptations:

Example Species	Place/Type of Habitat	Types of Food(s) in Usual Diet	Adaptations (body parts, behavior, etc).
Whooping Crane	Wetlands (Texas to Canada)		long legs for wading, long skinny beak for stabbing/grabbing fish
Northern Cardinal			
Bald Eagle			
House Wren			
(choice:)			

Programming Logic

Save all of the WeDo programs that you create for this project; use the name “P6 FlappingBird”.
 Explain what happens during each part of these programs: (Put words in the boxes below.)

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Customizing

Add or change some parts of the bird to make it **look** and **act** like your “choice” bird (above).
 Create some **new** program(s) that make something different **happen** when you move the bird.
 (Make a different noise or change the background or make some other reaction to the sensors.)
 Build the new programs **underneath** the original programs. Draw your new program(s) here:

Be sure to **save** all of your programs together, and name the project “P6 FlappingBird”.
 Be sure to get **sign-off** on your tracking sheet.

