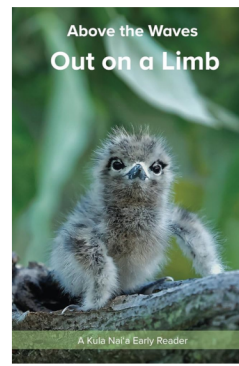


Companion Activity

Above the Waves Out on a Limb



Shop for the
book here!



OVERVIEW:

Manu o Kū (White tern) begin life as puffy, little hatchlings. Use this activity to demonstrate how small and vulnerable these Manu o Kū chicks are and how their weight increases from week to week. By 7 weeks, their wing feathers and bones have grown enough for them to take flight, marking the start of the juvenile stage of life.

SUGGESTED USE:

After reading the book as a class or in a group, have students pass around the weight/envelope corresponding to each week of growth. Have them share any observations - comments on the weight at week 1 (was it heavier or lighter than they expected?), variations in weight from week to week, and differences from the first week to the last. Discuss what changes are happening from week to week (eating more, feathers and wings growing, looking less “puffy” and more like mom and dad, etc.)

For a more advanced lesson, have the students work together to calculate the weight gain each week, starting with 35 grams and adding 20 grams to match the weight of the second week, then another 15 grams for the third week, etc.

Weights referenced are found on the growth chart found in the book (pgs. 22-23).

MATERIALS NEEDED:

- ***How Much Does a Chick Weigh Sheet***
- **Items to demonstrate weights**
 - Wooden toothpicks: 1 toothpick = 1 gram (430 toothpicks needed)
 - Paperclips: 1 paperclip = 1 gram (430 paperclips needed)
 - Nickel: 1 coin = 5 grams (86 nickels needed)
- **OPTIONAL *Envelope for Weights* template pages 1-3**
 - Scissors
 - Tape

MANU O KŪ AT HAWAII WILDLIFE CENTER:

When youngsters aren't able to be reunited, they are dropped off at our partners at Feather and Fur Animal Hospital for a quick health check before we transfer them to our facility. Once they are old enough, we send them to our HWC Satellite Clinic at the Honolulu Zoo to provide a “soft release” for the bird. This soft release program is managed under the Hawai'i Wildlife Center's State and Federal rehabilitation permits.

When a chick is found on the ground, it is our policy to try to get the chick reunited with its parents before we step in and provide long-term care. It's not that we don't like taking care of these birds (quite the opposite, in fact), it's just that we always want what's best for the bird and parents know best. We coordinate with Hui Manu o Kū (<https://www.whiteterns.org/>) to get chicks reunited with their parents whenever possible.



HOW MUCH DOES A CHICK



WEIGH?

7 DAYS

35 GRAMS

14 DAYS

55 GRAMS

21 DAYS

70 GRAMS

28 DAYS

80 GRAMS

35 DAYS

90 GRAMS

42 DAYS

100 GRAMS



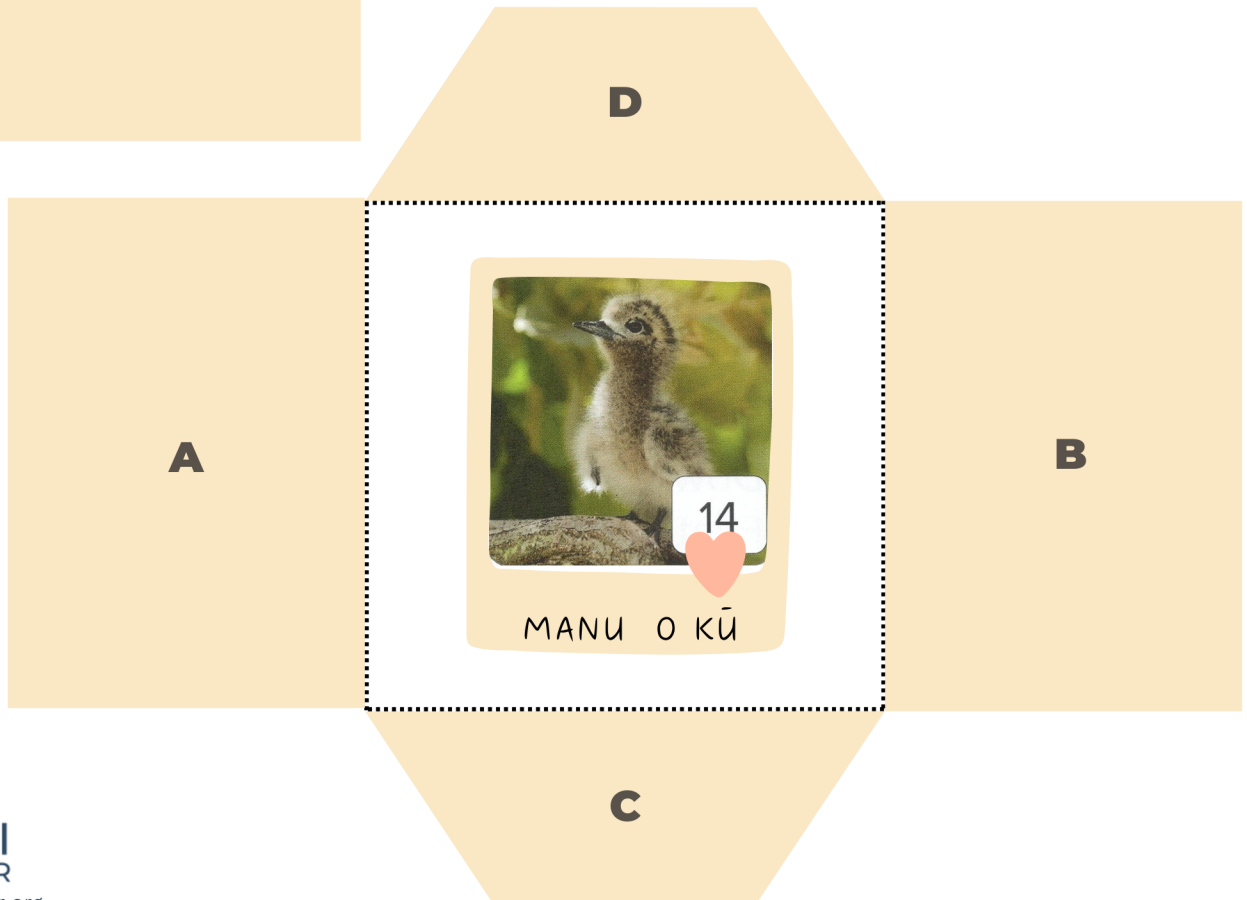
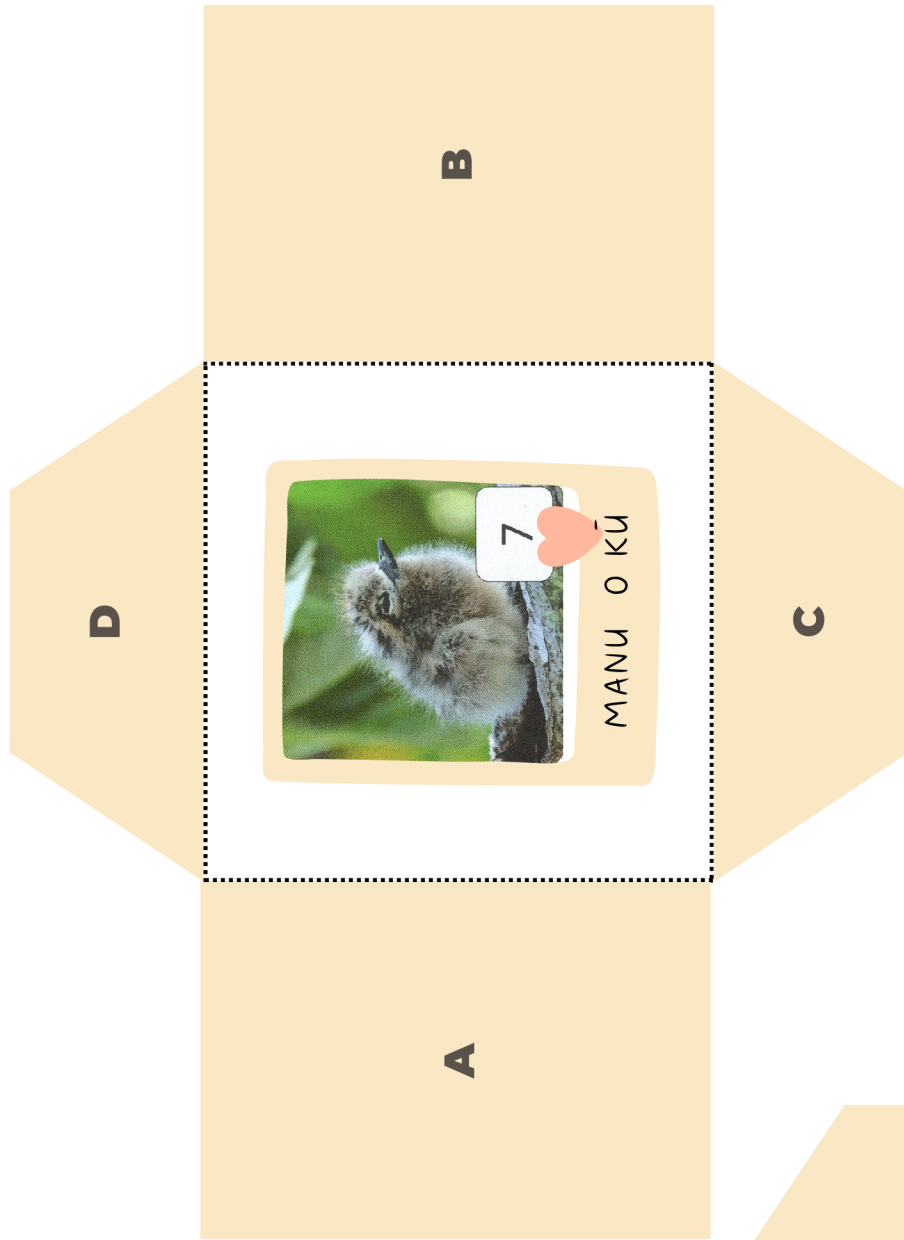
**HAWAI'I
WILDLIFE CENTER**

www.hawaiiwildlifecenter.org

ENVELOPES FOR WEIGHTS

PAGE 1 OF 3

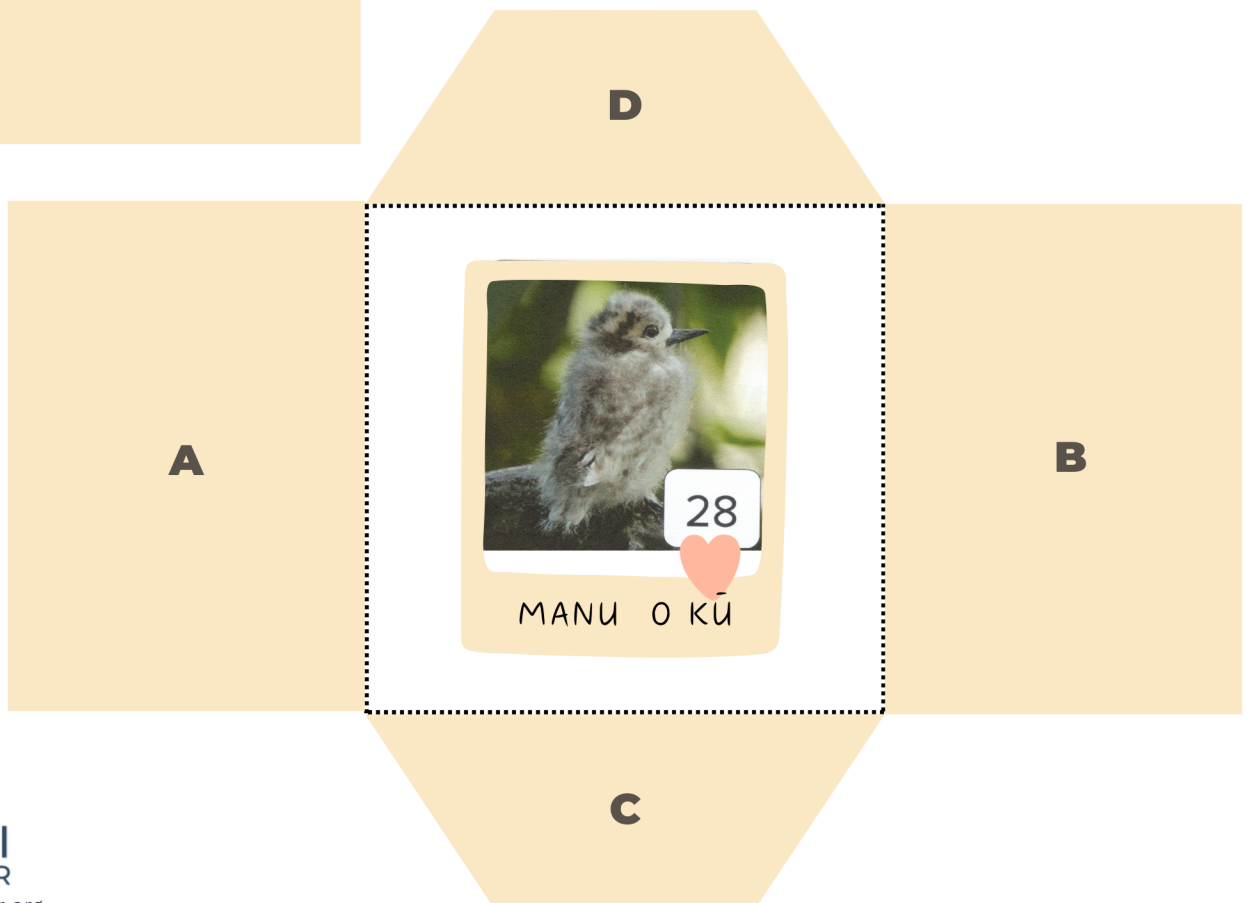
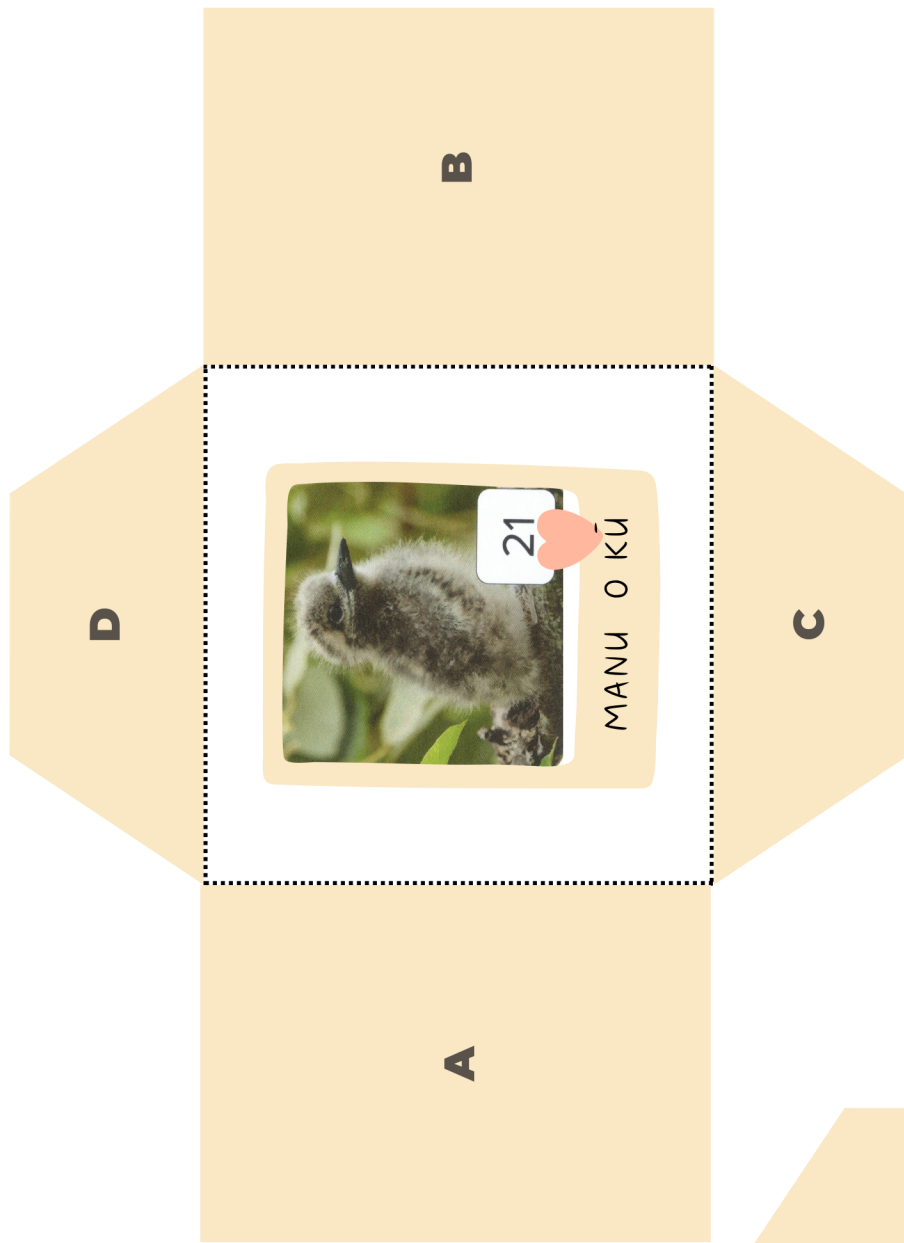
- CUT OUT EACH TEMPLATE
- FOLD ON THE DOTTED LINE
- FOLD A OVER B, THEN C UP TO COVER OVERLAP, FORMING AN ENVELOPE/POUCH
- TAPE SEAMS
- FILL ENVELOPE WITH WEIGHTS
- FOLD FLAP D AND SECURE WITH TAPE



ENVELOPES FOR WEIGHTS

PAGE 2 OF 3

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ENVELOPES FOR WEIGHTS

PAGE 3 OF 3

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