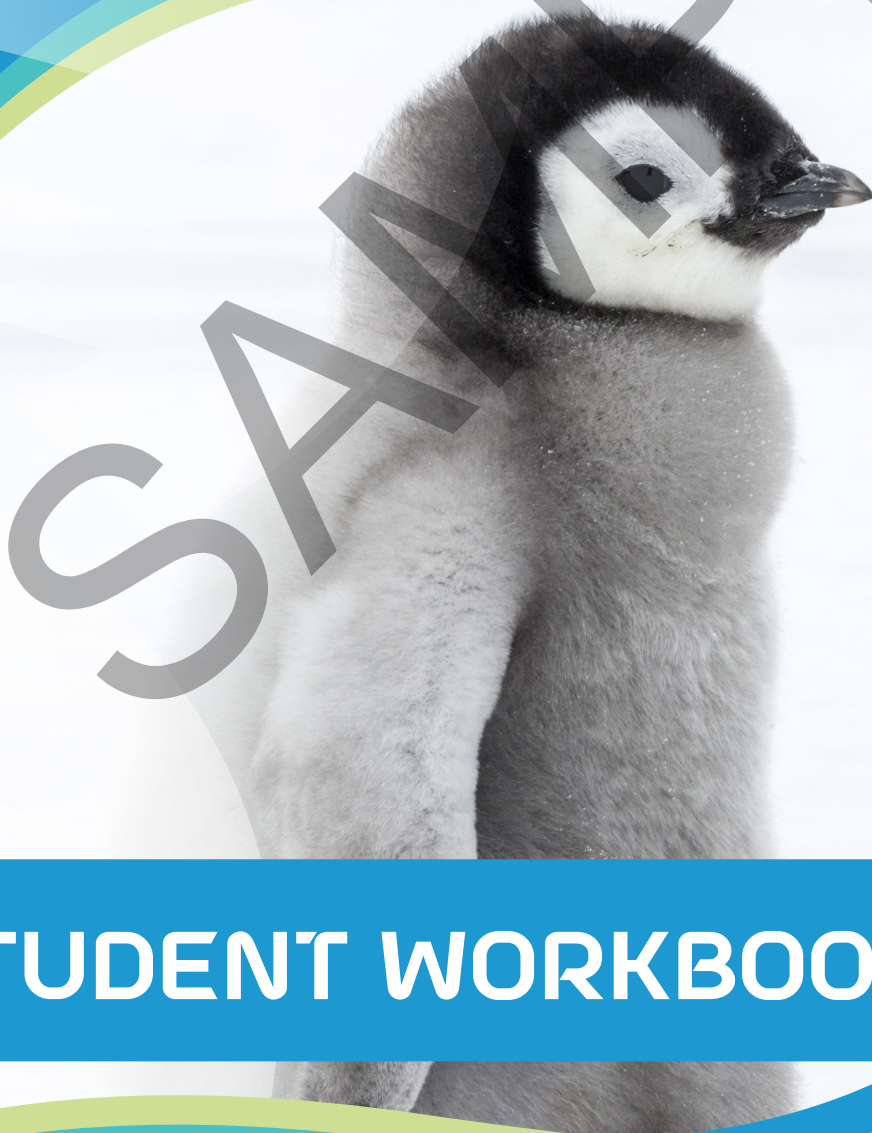


# PENGUIN PARENTING



**STUDENT WORKBOOK**



## WHAT ARE NEEDS?

Why would penguin parents risk death to care for their offspring? Baby penguins need food, water, and safety to survive. What would happen if they didn't care for them?

In this activity, you will learn about the three needs a baby penguin has: food, water, and safety.

### LEARNING GOALS:

- ✓ I can explore to see how the behavior of parents and offspring help organisms survive.

## PENGUIN CHICK NEEDS

In Activity 1, you saw penguin parents taking care of their baby. Draw a picture of a baby penguin. Add anything the baby penguin might need. Label your picture.

## THE THREE NEEDS

Like the penguins in Activity 1, parents take care of their offspring. Offspring is an animal's baby or child. Offspring will not survive if parents do not take care of them. If an animal survives, it keeps living. Offspring survive when their needs are met. A need is what the baby animal has to have to survive. Food, water, and safety are the three needs. Parents give their offspring what they need.

### FOOD

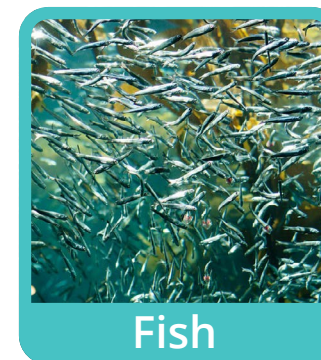
Penguins are carnivores. Carnivores only eat meat. A penguin's favorite foods are krill, squid, and fish. Do you like to eat what a penguin eats?



Krill



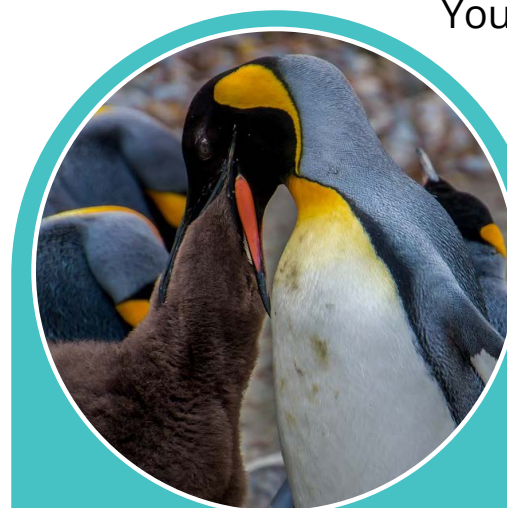
Squid



Fish

A penguin's offspring are called chicks. Chicks cannot get food by themselves. The parents get them food. Penguin parents walk up to 50 miles to get to food. This is a long way to walk. It is a hard job. The penguin parents digest the food. Digesting is when the food is broken down. Then the parent penguin regurgitates the food into the chick's mouth. Regurgitation is bringing swallowed food back up again.

You saw a picture of this in Activity 1.



### WATER

Penguin chicks do not drink water like we do. Penguin parents swim and catch their food in the water. Some of the water goes down their throat. The water is regurgitated with the food.



The penguin offspring also needs its parents to keep it safe. Many animals try to eat penguin chicks, like the Brown Skuas. The Brown Skua will eat penguin chicks if parents are not watching to protect it.

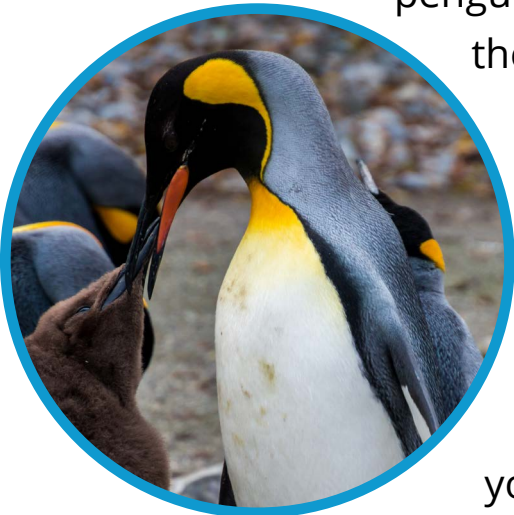
FOOD AND WATER

If the penguin is out of its egg, can it get food and water by itself? Nope.

Penguin chicks are not able to swim when they are born. Penguin parents don't teach their chicks to swim until the chicks are at least a few months old.

The penguin chicks will get their adult feathers before they can learn to swim.

It takes a lot of work for an Emperor Penguin parent to care for their offspring. They have to give them food, water, and safety. How do you think you will do as a parent caring for a penguin chick? Let's find out how well you would do at giving a penguin chick all that it needs.



9

SET UP YOUR MAZE

WHAT YOU NEED:

- Masking tape
- Tape measure
- OTHER ITEMS:
- Scissors



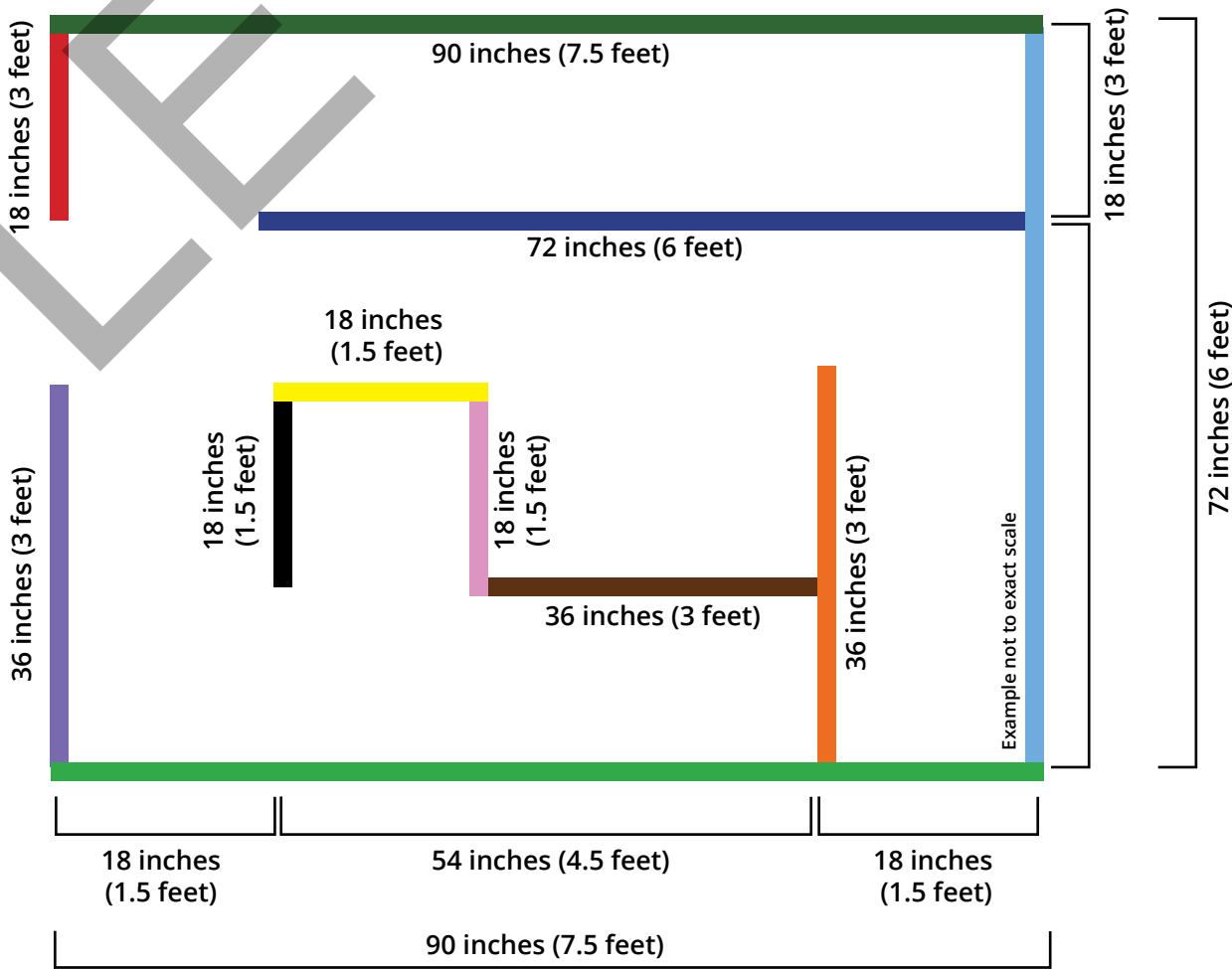
You will need a teacher's help for this activity.

WHAT TO DO:



STEP 1 Find a large space where you can stick tape to the floor (or ground).

STEP 2 Use the picture to help you with making the maze.



STEP 3 Cut two pieces of tape, each approximately 90 inches (7.5 feet). They are the light and dark green pieces in the picture.

STEP 4 Stick those pieces of tape to the ground approximately 72 inches (6 feet) apart.



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Kit	SU-PNGPRNT
Instructions	IN-PNGPRNS
Revision Date	3/2021