Asombro Institute
FOR SCIENCE EDUCATION

P.O. Box 891 Las Cruces, NM 88004-0891
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Kestrel Conservation
Schoolyard Field Trip
4th/5th Grade

Overview

In this 2-hour Schoolyard Field Trip, students will conduct an investigation to see if their schoolyard would be a place a Kestrel would live. Students will conduct a bird survey, look for and measure the height of perches, learn about Kestrel adaptations, and investigate solutions in conservation related to nesting.

Phenomenon Would kestrels like to live in our schoolyard?

Next Generation Science Standards

Asombro lessons are aligned with the three-dimensional learning model of the Next Generation Science Standards.

Science and Engineering Practices	Disciplinary Core Ideas	Crosscutting Concepts
Planning & Carrying Out Investigations Analyzing and Interpreting Data Developing and Using Models Using Mathematics and Computational Thinking	LS1.A Structure and Function LS2.C Ecosystem Dynamics, Functioning and Resilience LS4.D Biodiversity and Humans	Patterns Scale Proportion and Quantity Structure and Function

Common Core State Standards

MATH.CONTENT.4.OA.A.3 Solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.

LITERACY.4.RI.1 Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text.
LITERACY.5.RI.1 Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text.
LITERACY.4.RI.7 Interpret information presented visually, orally, or quantitatively and explain how the information contributes to an understanding of the text in which it appears.
LITERACY.5.RI.7 Draw on information from multiple print or digital sources, demonstrating the ability to locate an answer to a question quickly or to solve a problem efficiently.

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Asombro Schoolyard Field Trip

We are so excited for our schoolyard field trip! We will be spending 2 hours outdoors with you and your students here are a few things you can do to help us ensure a successful trip:

Getting Ready

1. Help us identify places in the schoolyard we should and should not use during the field trip.

Places to avoid	Places we love!
• Traffic • Construction • Play structures (unless we are collecting data there) • Places where other students will be having recess	• Shade (unless it's a chilly day • Grass • Picnic tables • Outdoor classroom spaces

2. Remind students to dress for the weather,
3. Give students time to go to the bathroom before coming outside
4. Allow students to bring a water bottle outside with them if they want

During our Schoolyard Field Trip:

1. If a student needs to go inside for the bathroom or another need during the field trip, please send them, we ask that you stay with us and the rest of the class as much as possible.
2. If you see your class getting restless because of the heat or cold, let us know and we will adjust.
3. Participate in activities and help students who need support, let us know if you have class norms that will help us lead your students.
4. We have four 25-minute activity stations prepared, one of which YOU will be leading. Please read through the attached activity plan.

Program Schedule:

Introduction	10 minutes
Station 1	25 min
Station 2	25 min
Station 3	25 min
Station 5	25 min
Conclusion	10 min