The Penguin Predicament
A Problem about Animal Habitat and Survival

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Problem Log
<table>
<thead>
<tr>
<th>Active Learner Rubric</th>
<th>Excellent</th>
<th>Standard</th>
<th>In Progress</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Acts Like a Zoologist</strong></td>
<td>- Uses the words that a zoologist would use in class discussions and conversations</td>
<td>- Uses the words that a zoologist would use when reminded</td>
<td>- Does not use words that a zoologist would use</td>
</tr>
<tr>
<td></td>
<td>- Self-starts research</td>
<td>- Completes research, but with prompts and reminders</td>
<td>- Does not help with research</td>
</tr>
<tr>
<td><strong>Good Work</strong></td>
<td>- Adds original and helpful ideas to class</td>
<td>- Remembers the ideas talked about in class</td>
<td>- Does not contribute to class discussions</td>
</tr>
<tr>
<td></td>
<td>- Facts are correct</td>
<td>- Most facts are correct</td>
<td>- Few facts are correct</td>
</tr>
<tr>
<td></td>
<td>- Work is complete and well-organized</td>
<td>- Work is mostly complete but has missing parts or is disorganized</td>
<td>- Work is disorganized and messy</td>
</tr>
<tr>
<td><strong>Participation</strong></td>
<td>- Leads class by showing curiosity and finding answers to questions</td>
<td>- Follows others’ curiosity but does not take the lead in finding answers to questions</td>
<td>- Does not show curiosity or seek answers to questions</td>
</tr>
<tr>
<td><strong>Group Member</strong></td>
<td>- Cooperates with others</td>
<td>- Cooperates frequently</td>
<td>- Rarely cooperates</td>
</tr>
<tr>
<td></td>
<td>- Does a fair share of work without being reminded</td>
<td>- Does fair share of work, but only when reminded</td>
<td>- Lets others do all the work</td>
</tr>
<tr>
<td></td>
<td>- Takes turns when speaking, listens to others, and welcomes different ideas</td>
<td>- Sometimes speaks and listens to others</td>
<td>- Is bossy, interrupts, does not listen, and complains</td>
</tr>
<tr>
<td>What is our plan?</td>
<td>What do we NEED to know?</td>
<td>What do we KNOW?</td>
<td></td>
</tr>
<tr>
<td>------------------</td>
<td>--------------------------</td>
<td>------------------</td>
<td></td>
</tr>
</tbody>
</table>

Hunches (what we THINK we KNOW):

Need to know Board
Your Email to Fatima

Write an email to Fatima telling her that you got her email and letting her know what you have decided to do to help her.

To: Fatima

From: Zoologist _________________

Re: Your email about the penguin

Dear Fatima,

________________________________

________________________________

________________________________

________________________________

________________________________

________________________________

________________________________

________________________________

________________________________

________________________________
What Do You Want to Know?

Write one question you want to know about penguins to help our problem.

The question I want to answer first is:

____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________

This question is important to our penguin problem because:

____________________________________________________________________
____________________________________________________________________
____________________________________________________________________
____________________________________________________________________

The Penguin Predicament  Problem Log
Our Action Plan

To find the answers to our questions, I think we should:

Draw Here:

___________________________________________________________________________________
___________________________________________________________________________________
___________________________________________________________________________________
___________________________________________________________________________________

Write Here:

___________________________________________________________________________________
___________________________________________________________________________________
___________________________________________________________________________________
___________________________________________________________________________________
Comparing and Contrasting Two Penguin Species

Penguin Venn Diagram

Fairy Penguin: __________
Fatima’s Penguin: __________