Grade 1	Lesson: 14-7 Problem Solving: Make a Graph	Reference to English
Math Standard(s): 1.MD.4		**Domain: Measurement and Data**

Content Objective(s):	Language Objective(s):
Students will use data in a table to complete a bar graph. 我会用图表的资料来完成一个长条图。	Students will read data and say it to their neighbor. 我会看资料然后说出来给同学听。
Essential Understanding: Some problems can be solved by making, reading, and analyzing a graph.	**Academic Vocabulary for Word Wall:** **Listen:** bar graph **Read:** **Write:** **Speak:** **Sentence Frame:**
Materials: • Blank bar graph • Pictures of plants, animals, rocks, seasons • Guided and Independent Practice pages 462 – 463	**Additional Lesson Vocabulary:** **计数线**, 植物, 动物, 石头, 季节, 数字, 十二月, 一月, 二月, 三月
Lesson:	**Instructional Time:20 –25 mintues**

Opening: (2 minutes)

T: "你已经学会怎么用计数条来做出一些图表了。今天你会学习怎么用计数条来做出一个长条图。"

• Draw (or put up pictures) and label the following things on the board – plants, animals, rocks, seasons.

T: "这些科学主题，哪个听起来最有趣？植物，动物，石头或季节？请告诉你旁边的同学。"

S: "plants" or "animals" or "rocks" or "seasons"

T: "有谁认为植物最有趣，请举手。"

• Write the tally marks on the board to represent the kids that think plants are the most interesting.

• Do the same with animals, rocks and seasons.

Introduction to New Material (Direct Instruction): (7 minutes)

T: "我要发给你们一个空白的长条图，然后我们要用计数条来帮助我们纪录资料。"

• Pass out blank bar graphs with whiteboards (to write on) and pencils.

• Draw a large bar graph on the board and fill it in with the students.

T: "我们要先在长条图的左边填进科学主题。请在上面画和写下植物。"

T: "植物下面请画和写下动物。"

T: "动物下面请画和写下石头。"

T: "石头下面请画和写下季节。"

T: "现在我们可以开始了。有几个人觉得植物最有趣？请数白板上的计数条然后告诉你旁办的同学。请说'____个人觉得植物最有趣'。"

S: "___ people thought plants were the most interesting."

T: "几个人觉得植物最有趣？"

S: "____ people thought plants were the most interesting."

T: "对, ___ 个人觉得植物最有趣。我们在植物旁边涂上___ 个格子"

T: "给我看你们的长条图。"

• Check that the students graphs are filled in correctly.

• Continue with the other 3 science subjects.

T: "我们填满长条图了。现在我们来回答一些问题。"

T: "问题1：那个主题是班上学生最喜欢的？告诉你旁边的同学。请说出'_____是最喜欢的主题'。"

S: "___ is the favorite subject."

T: "班上同学最喜欢的主题是什么？"

S: "____ is the favorite subject."

T: "有没有一样多学生喜欢的主题？用大拇指比有还是没有。"

S: will show thumbs up or down.

• If there were 2 that got the same number of votes say talk about what they were.

T: "最后一个问题。哪个主题有最少人喜欢？告诉你旁边的同学。请说出'_____是最少人喜欢的主题'。"

S: "____ received the least number of votes."

T: "很好。我们收集资料，用计数条纪录资料然后把资料移到长条图里并且回答关于长条图的问题了…做得很好！"

Independent Practice: (4 minutes)

T: "现在请把长条图还给我然后会座位。"

T: "现在我会把462和463发给你们。"

T: "我们会继续练习做出长条图。我会念出一个应用题然后我们会一起做出长条图。"

T: "Alec 算出有几天有下雪。他想要按照一个月一个月来比较下雪的次数。他想要比较什么？"

S: "snow days."

T: "我们要做一个长条图来回答一些问题。"

T: "告诉你旁边的同学十二月下了几次雪。"

S: "5 days."

T: "请在长条图里的十二月旁边涂上5个正方形。"

S: will fill in for December.

• Continue this with the rest of the graph.

T: "现在我们来回答一些问题。哪个月下雪的次数最多？告诉你旁边的同学。"

S: "January had the most snow days."

T: "在纸上写下一月。哪个月下雪的次数最少？"

S: "March had the fewest snow days."

T: "请写下来。"

T: "你怎么知道要怎么填进图表的格子？告诉你旁边的同学。"

S: "I colored one box for each day that it snowed."

Assessment:

Guided and Independent practice pages 462–463