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| <b>Grade 1</b>  | <b>Lesson: 12-4<br/>More Measuring Length</b> | Reference to English   |
| <b>Math Standard(s): 1.MD.2</b>   |   | <b>Domain: Measurement and Data</b>  |
| <b>Content objective(s):</b>  |   | <b>Language Objective(s):</b>  |
| <p>Students will use connecting cubes as nonstandard units to measure and compare the lengths and heights of objects.<br/>我会把连接方块做为非标准单位来测量和比较东西的长度和高度。</p>                                 |   | <p>Students will say ___ was the tallest, ___ was the shortest, ___ cubes.<br/>我会说___最高, ___最矮 和 ___个方块。</p>   |
| <p><b>Essential Understanding:</b><br/>Measurement is a process of comparing a unit to the object being measured. The length of any object can be used as a measurement unit of length.</p> |   | <p><b>Required Academic Vocabulary for Word Wall:</b><br/><b>Listen:</b> 最高, 最矮/最短, 测量, 方块<br/><b>Read:</b><br/><b>Write:</b><br/><b>Speak:</b> 最高, 最矮/最短, 测量, 方块<br/><b>Sentence Frame:</b></p> |
| <p><b>Materials:</b></p> <ul style="list-style-type: none"> <li>• Connecting cubes</li> <li>• Paper strips (red, green, yellow) - each strip a different length</li> <li>• tape</li> </ul>  |   | <b>Additional Lesson Vocabulary:</b>   |
| <b>Lesson:</b>  |   | <b>Instructional Time: 25 minutes</b>  |

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### Opening: (4 minutes)

T: “你已经学会怎么比较和测量物体的长度，也学会怎么按照物体的高度来排列了。”

T: “我有一把剪刀。你觉得剪刀有几个方块长”

S: will estimate

T: “现在我们来测量。我们一起数。”

T: “剪刀有\_\_\_\_个方块长。”

T: “现在我们来比较长度。我有3条连接方块。一条黄色，一条蓝色和一条红色的。谁可以来帮我把它们从最短排到最长？”

S: will come up and order the cubes sticks.

T: “很好，今天你会测量物体来比较和按照长度和高度排列出来。”

T: “假设你和2个朋友一人有一棵树。暑假结束时你们的树都长高了。你要怎么比较这些树的高度呢？告诉你旁边的同学。”

S: will discuss.

• While the students are discussing, draw the picture on the board.

T: “你觉得呢？我们怎么比较它们的高度来找出哪个最高？”

S: “measure the trees and compare the lengths.”

T: “我们来测量白板上的树的长度。”

• Measure the trees and find the tallest one.

### Introduction to New Material (Direct Instruction): (2 minutes)

T: “我要把你们分成3个一组。每组会拿到纸条和连接方块。”

T: “你要怎么比较这些纸条的长度？”

S: answers will vary

T: “今天我们会用连接方块来测量纸条然后写下数字。”

### Guided Practice: (8 minutes)

Use the modeling cycle:

Teacher Does:

• Tape the paper strips on the board.

T: “我们来测量红色这条纸。我会用连接方块来测量。”

T: “红色这条纸有几个方块长？告诉你旁边的同学。”

S: “the red paper is \_\_\_\_ cubes long.”

T: “现在我们来测量黄色的哪条纸。”

• Continue with the yellow and green strips. Write the measurement next to each of the strips.

T: “你可以怎么比较这几条纸的长度？”

S: “compare the numbers”

T: “哪条纸最长？告诉你旁边的同学。”

S: “\_\_ is the longest”

T: “哪个颜色最长？”

S: “\_\_ is the longest.”

T: “哪条纸最短？”

S: “\_\_\_\_ is the shortest.”

T: “没错!”

All Students Do:

T: “现在我要你们3个一组来测量和比较这3条纸。你需要写下你得到的测量然后说出哪个最长和哪个最短。你需要写下测量然后说出哪个最长和哪个最短。”

• Distribute connecting cubes and paper strips (of different sizes and colors for each group) to small groups. Hold up the red, yellow, and green strips of paper, one at a time.

T: “时间到了。请把纸拿来给我然后回座位上。”

### Independent Practice: (8 minutes)

• Pass out pages 398 and 399.

T: “你需要在教室里找出这些物体。用方块来测量第1-3题。”

T: “我来示范给你们看。我会带我的连接方块走到书架那里。我会测量书架。跟我一起数。书架有\_\_\_\_个方块长。”

S: solve the problems 2-3 quietly.

T: “你的书桌有多长？”

S: “\_\_ cubes long.”

**Assessment:**

**Guided and Independent Practice pg 398-399**

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