

LESSON PLANS: SASKATCHEWAN

Grade 1: Space and Shape

 45 MINS

powered by

 Mathletics

Outcome: SS1.1

- Demonstrate an understanding of measurement as a process of comparing by:
 - identifying attributes that can be compared
 - ordering objects
 - making statements of comparison
 - filling, covering, or matching.

Introduction to Lesson

 10 MINS

Teacher Background:

On the interactive whiteboard, bring up **Concept Search** from the **Mathletics Teacher Console > Demonstrations > Concept Search**

Start off with the definition from **Animated Maths Dictionary** for Grade One. Search the term **measure**. Have a class discussion on items/things that the students might measure.

Search **comparing length** under

Demonstrations > Concept Search > Concept Search

There are a few slides in this visual. You can maximize the view by clicking on the square and arrow icon located at the bottom right-hand corner.

Display the first slide and ask the students what they are noticing:

- Which one is longer?
- How do you know?
- Is there something on/in your desk you can compare?

The next slide allows students to explore the classroom for objects. Have the students collect their information and then share with the class.

ITEMS NEEDED

- ✓ Interactive whiteboard
- ✓ Mathletics teacher login
- ✓ Measuring tools
- ✓ Computers/tablets
- ✓ Math journals
- ✓ Student logins
- ✓ Manipulatives

ASSESSMENTS

- ✓ Observation
- ✓ Participation
- ✓ Reports from the curriculum activities within the Mathletics Teacher Console

ACCOMMODATIONS/ MODIFICATIONS

- ✓ Encourage students to click on "Something Easier" and "Something Harder" within the Mathletics curriculum activities.
- ✓ Provide students with manipulatives.

EXTENSION OF LEARNING

- ✓ Problem Solving Game under Balance
- ✓ Curriculum activities.
- ✓ eBooks—students completed pages selected by teacher

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The Lesson

 30 MINS

Rainforest Maths

- On the interactive whiteboard, click on the Demonstrations tab within the Teacher Console. Click on the **Rainforest Maths** icon. Click on grade 1 and start off with the length game.
- The game will display bugs and how long they are using a various objects. Display the first picture and have the students guess how many paper clips long the bug is. Students can write down their answers on paper. Have a student come up and drag the paper clips to find out the answers. Discuss what their answers were and how they came up them or what strategies they used.
- Teachers can carry on with other bugs by clicking on the **More** bug at the bottom right corner.
- **Reinforcement:** Computers/tablets—Have the students complete curriculum activities in the Student Console.

Suggested activities:

- Everyday Length
- Everyday Mass
- Filling Fast!
- Which Holds More?
- Comparing Length



- **Extra-time activity/cross-curriculum activity:** Pick an object in the school—it could be something in the hallway, schoolyard, or principal's office. Have the students decide on a measurement tool such as counters, snap cubes, or paper clips. Discuss with students some strategies for choosing a proper-size measurement tool based on the item they want to measure. For example, if they want to measure a park slide, would they use counters, pencils, or their hands? Have the students predict the length and then confirm. Students can record pictures, words and numbers in their math journals.

After the lesson

 5 MINS

- Discuss some of the items they measured and what tools they used.
- What objects were harder to measure (straight vs. round objects)?
- Have the student go home and measure a parent, guardian, or sibling using non-standard items such as paper clips or pencils erasers.



For more information contact our friendly team...
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