



# Best Practices for Teaching with Gizmos

## • Foster Inquiry and Discovery

- Encourage students to ask “What if...” questions
- Challenge students to predict outcomes
- Use leading, probing questions to spur thinking

## • Develop higher level thinking skills

- Provide scaffolding for problem solving
- Require that students support explanations with evidence
- Guide students to find relationships

## • Incorporate opportunities for thinking through writing

- Customize lesson materials as needed
- Include vocabulary as part of the Gizmo lesson

## • Share the classroom dynamics

- Utilize a variety of instructional settings
- Allow students to control the Gizmo



# Lesson Model

Number: Quantity is measured with numbers that enable counting, labelling, comparing, and operating.

## Grade 1

Examine addition and subtraction within 20.

## Grade 2

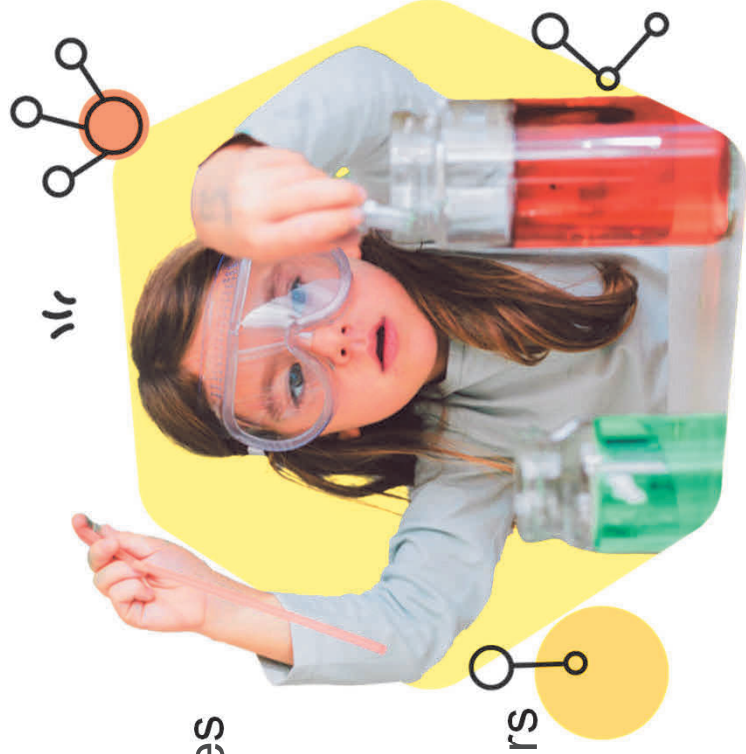
Investigate addition and subtraction within 100.



## Number Line Frog Hop

# Creating a Lesson for Early Elementary

1. **Examine the Curriculum**
  - Review the organizing idea and learning outcomes
2. **Aligned Gizmos**
  - Choose a Gizmo that correlates best
3. **Evaluate the Lesson resources**
  - Select components that work best for your learners
4. **Customize the Lesson**
  - Organize components in a lesson sequence



# Customized Task Cards

[bit.ly/ABtaskcards](https://bit.ly/ABtaskcards)

**Early Elementary Gizmos Lessons**

**Number Line Frog Hop**  
Live a frog's life as you hop along a number line searching for flies. Learn how addition and subtraction can be represented as movement along a number line.

**Curricular Alignment**

**Organizing Idea**  
Number: Quantity is measured with numbers that enable counting, labelling, comparing, and operating.

**Learning Outcome**  
Students examine addition and subtraction within 20.

**Lesson Plan**

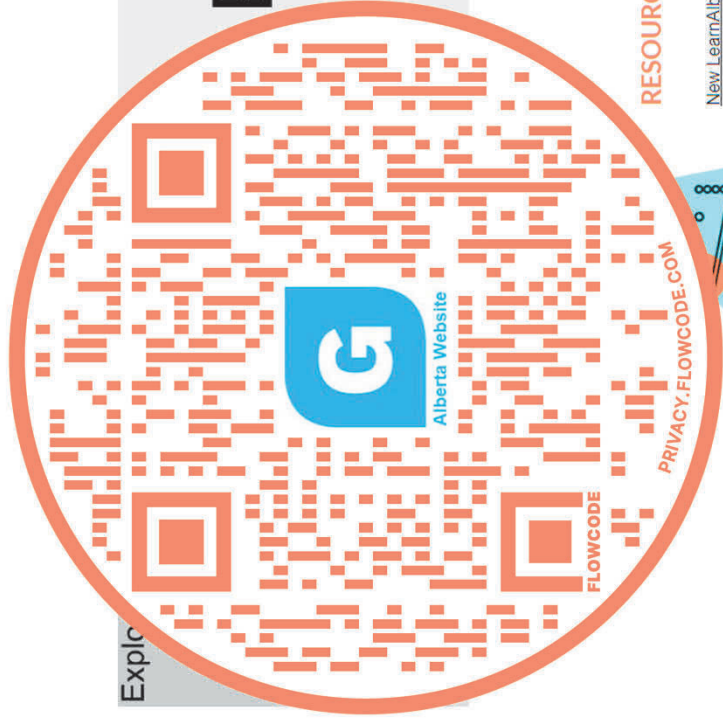
**Preparation**

... for skip


QR code: [bit.ly/ABtaskcards](https://bit.ly/ABtaskcards)

# Alberta EL Gizmos Site

[bit.ly/AlbertaGizmos](https://bit.ly/AlbertaGizmos)



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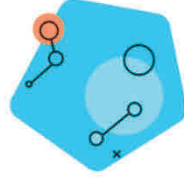


## Resources

### RESOURCES IN ENGLISH

[New LearnAlberta Quick Start Guide](#)

[K-6 Math Gizmos Alignments with Curriculum](#)



### RESSOURCES EN FRANÇAIS

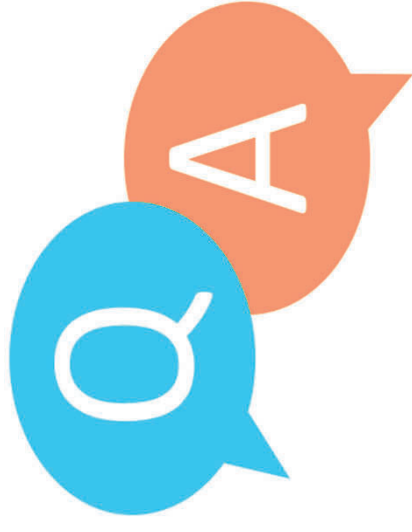
[New LearnAlberta Guide de démarrage](#)

[M-6 Corrélation des Gizmos avec le Curriculum de math](#)

# Questions?



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