

Operations Template

Numeracy Template

SNAP - Student Numeracy Assessment & Practice

NUMERACY ASSESSMENT FOR GRADES 2 – 7

June 2016

The SNAP is the result of a year of hard work by a team of dedicated educators in the Chilliwack School District.

Together, we have created a new district Numeracy Assessment – one that would be implemented from grades 2-7 and would align with the new curriculum. Additionally, the assessment would support all three types of assessment – **For** (formative), **Of** (summative), and **As** (students learn from the assessment).

SNAP stands for Student Numeracy Assessment & Practice. We are very pleased that we were able to fit the term “practice” in the title. The idea of practice supports a spiraling approach to teaching and assessing numeracy skills. The SNAP is an assessment that can be used over and over again – to build student fluency, confidence, comprehension and skills.

Results

Pilot classrooms using the SNAP/ANIE* combined with a balanced approach to math instruction have produced significantly improved results on the FSA as a trend over time.

*The ANIE is a numeracy assessment that is philosophically aligned with the SNAP.

Included with SNAP

- Directions for teachers
- Sample protocols
- Templates for each grade
- Rubrics
- Student examples

Created by Teachers

We are grateful to the dedicated team of Chilliwack educators who crafted and piloted this assessment:

- | | |
|-------------------|-----------------|
| Christine Blessin | Jonathan Ferris |
| Kathy Isaac | Anna Lownie |
| Shannon McCann | Tammy McKinley |
| Justin Moore | Kirk Savage |
| Paul Wojcik | |

Find online at SharePoint in Curriculum Resources

Outcomes

Outcomes for each grade level from 2 – 7, are provided in the Teacher Instruction component and are indicated on each, grade specific template. There is a specific outcome for both Operations and Numeracy at each grade level.

Aligned with the New Curriculum

The SNAP aligns with the competencies defined in the new BC Curriculum. It is available as a shared resource, compliments of SD 33, on the BC Ministry of Education website. See example below....

Competency	1 Student understanding and application of learning outcomes is not evident
Communicating and Representing Picture Box	<ul style="list-style-type: none"> • Pictures do not show the value of the number • Inaccurate
Describe Picture	<ul style="list-style-type: none"> • Description and elaboration of pictorial representation is not evident • Communication is not clear

Competency	1	2	3	4
Communicating and Representing	<ul style="list-style-type: none"> • Pictures do not show the value of the number • Inaccurate 	<ul style="list-style-type: none"> • Pictures are only partially accurate • Pictures are only partially accurate 	<ul style="list-style-type: none"> • Pictures are clearly communicated • Pictures are clearly communicated 	<ul style="list-style-type: none"> • Pictures are clearly communicated and represent the value of the number • Pictures are clearly communicated and represent the value of the number
Understanding and Solving	<ul style="list-style-type: none"> • No value of each digit is evident 	<ul style="list-style-type: none"> • Partially accurate in identifying an elaboration on place value • Partially accurate in identifying an elaboration on place value 	<ul style="list-style-type: none"> • Accurately demonstrates the value of each digit 	<ul style="list-style-type: none"> • Accurately demonstrates the value of each digit and includes necessary
Reasoning and Analyzing	<ul style="list-style-type: none"> • Cannot explain the operation and answer 	<ul style="list-style-type: none"> • Some explanation of operation and answer 	<ul style="list-style-type: none"> • All three operations are explained as needed 	<ul style="list-style-type: none"> • All three operations are explained as needed and includes necessary
Connecting and Reflecting	<ul style="list-style-type: none"> • Cannot explain the operation and answer 	<ul style="list-style-type: none"> • Some explanation of operation and answer 	<ul style="list-style-type: none"> • Accurately demonstrates the value of each digit and includes necessary 	<ul style="list-style-type: none"> • Accurately demonstrates the value of each digit and includes necessary