



School District 70 (Alberni)
École Alberni Elementary
2017-2018 Math Goal

System Goal:

All students will acquire literacy and numeracy skills required for further learning and for post-secondary life.

Alberni Elementary School Goal:

To deepen student understanding and progress in the Math competencies: Number and Patterns; and Relationships.

2017/18 Objectives:

1. Students in grades 4-7 will be able to demonstrate a deep understanding of Numbers and Patterns.
2. Students in grades 4-7 will be able to demonstrate a deep understanding of Numerical Relationships.

Rationale:

Students who are proficient mathematically are more willing to take risks and to make reasonable estimates. Focussing on concepts and strategies related to number sense and patterns & relationships will provide a shift from surface learning to deeper understanding to transfer and build upon. The number sense and patterns & relationship strands are necessary precursors for students to be able to make sound inferences and to interpret data.

Evidence:

Data considered (Provincial, District, School)

Key Indicators:

- Math report card marks (grades 4-7) (Year end)
- Math performance standards (K-3)

Other indicators:

- FSA (Grades 4 and 7)
(2016/2017 results will be integrated once available)

Success/Results

Evidence shared with PAC, staff and students

| Primary Math – Meeting or Exceeding Expectations | |
|--|-----------------------|
| All Students (Fr & Eng) | |
| K | 93% |
| Gr. 1 | 74% |
| Gr. 2 | 71% |
| Gr. 3 | 92% |
| Primary | 78% |
| English Only | French Only |
| K | 86% |
| Gr. 1 | 69% |
| Gr. 2 | 60% |
| Gr. 3 | 68% |
| Primary | 71% |
| K | 100% |
| Gr. 1 | 77% |
| Gr. 2 | 79% |
| Gr. 3 | 77% |
| Primary | 83% |
| Aboriginal | Non-Aboriginal |
| K | 93% |
| Gr. 1 | 65% |
| Gr. 2 | 47% |
| Gr. 3 | 70% |
| Primary | 68% |
| K | 94% |
| Gr. 1 | 79% |
| Gr. 2 | 85% |
| Gr. 3 | 73% |
| Primary | 83% |

| Intermediate Math C+ or higher | |
|------------------------------------|-----------------------|
| All Students (Fr & Eng) | |
| Gr. 4 | 74% |
| Gr. 5 | 82% |
| Gr. 6 | 91% |
| Gr. 7 | 72% |
| Intermed. | 76% |
| English | French |
| Gr. 4 | 52% |
| Gr. 5 | 74% |
| Gr. 6 | 88% |
| Gr. 7 | 36% |
| Intermed. | 62% |
| Gr. 4 | 95% |
| Gr. 5 | 91% |
| Gr. 6 | 93% |
| Gr. 7 | 73% |
| Intermed. | 88% |
| Aboriginal | Non-Aboriginal |
| Gr. 4 | 56% |
| Gr. 5 | 85% |
| Gr. 6 | 73% |
| Gr. 7 | 27% |
| Intermed. | 58% |
| Gr. 4 | 79% |
| Gr. 5 | 81% |
| Gr. 6 | 95% |
| Gr. 7 | 66% |
| Intermed. | 80% |

2017/18 Targets

Expected results

- In 2016-2017 year-end Math report card Performance Standards, 22% of Primary students were not yet meeting expectations. Our target for the 2017-18 year will be that **90% of Primary students will meet expectations.**
- In 2016-2017 year-end Math report card letter grades, 24% of students in grades 4-7 received a C or less. Our target for the 2017-18 year will be that **90% of students will receive a C+ or better**



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Foundation Skills Assessments

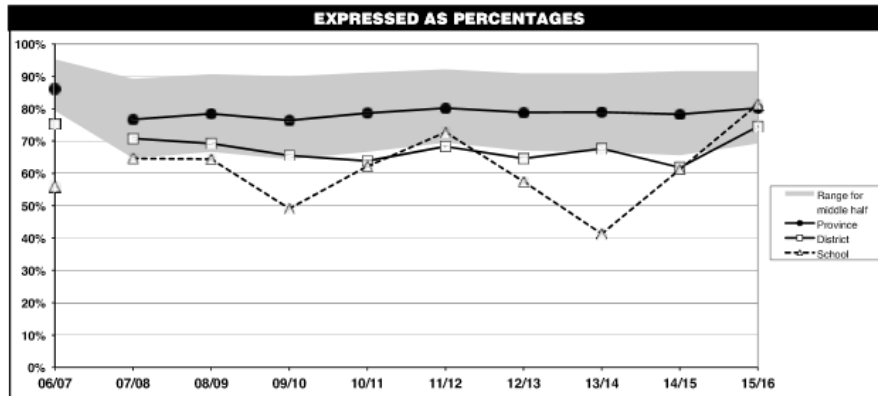
Alberni

Numeracy

Alberni Elementary

GRADE 4

STUDENTS MEETING OR EXCEEDING EXPECTATIONS



3. Continue our upward trend with Numeracy results in the Grade 4 FSA.

Organizing for Improvement

Strategies and Structures

How will we continue to support students in this goal area

- Teacher led instruction
- Direct instruction
- Direct or small group instruction with classroom teacher or support teacher
- Peer-assisted learning
- concrete feedback to parents
- aiming for high levels of challenge and mastery
- quality feedback/recommendations to students

What new strategies, practices or structures will we introduce

- Project-based Math
- Real-world examples/word problems
- Technology – using iPads for Kahn Academy and others
- Use written self-expression (journals) to debrief about math anxiety and learning
- Pro-D/Conferences/Webinars with a Math focus
- Teacher collaboration time

Communication

How will we communicate progress

- PAC Meetings
- Staff Meetings
- Newsletters
- Learning Conferences
- Board Meetings