

141 MacLeod Avenue Hinton, Alberta T7V 1T6 (780) 865-2628

Course Name: Mathematics 4 Teachers: D. Cederstrand, R. Hendricks

Program Rationale and Philosophy:

* Use mathematics confidently to solve problems
* Communicate and reason mathematically
* Appreciate and value mathematics
* Make connections between mathematics and its application
* Commit themselves to lifelong learning
* Become mathematically literate adults, using mathematics to contribute to society

Learner Outcomes: To achieve the goals of mathematics education and embrace lifelong learning in mathematics, students are expected to:

* Communicate in order to learn and express their understanding
* Connect mathematical ideas to other concepts in mathematics, to everyday experiences and to other disciplines
* Demonstrate fluency with mental mathematics and estimation
* Develop and apply new mathematical knowledge through problem solving
* Develop mathematical reasoning
* Select and use technologies skills to assist in processing information, making connections and solving problems

Course Content: (Projected Timeline- all content is ongoing)

* Measurement – Time/Perimeter & Area September- October
* Geometry- 3D objects/2D Space October-November
* Number Concepts (place value, estimation, addition, subtraction) November-December
* Number Concepts (multiplication, division) January
* Number Concepts (fractions & decimals) February-March
* Patterns and Relations April
* Data Analysis May
* Review June

Resources:

* Compas 4 (Duval), Daily Math 3
* Manipulatives
* Quick Draw/Mental Math for Grade 3 – 5
* Math to the Max- Edmonton Public Schools
* Netmaths App
* Math en Direct (Learn Alberta) <http://www.learnalberta.ca/content/mf5ed/html/Math5.html>

Assessment and Evaluation:

* Daily work/Observations/Conferencing and Quizzes/Unit Tests/Performance Tests – when applicable