

Knowledge & Employability
Math
2016 – 2017
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General Information

Knowledge and Employability courses provide students with practical and applied opportunities to develop competencies necessary to meet or exceed the following goals. Knowledge and Employability courses prepare students to:

- earn a senior high school credential
- enter the workplace upon leaving school with employability and occupational skills that meet industry standards
- make successful transitions to other courses or to further education and training
- become responsible and contributing members of society.

Students will develop the following mathematics competencies in the context of solving everyday problems. Students will:

- identify the problem and select and apply appropriate problem-solving strategies, mathematical operations and tools
- estimate and calculate solutions accurately
- evaluate processes, results and personal/ group performance
- develop teamwork skills and use appropriate vocabulary to reason and communicate mathematically
- apply mathematical literacy to everyday situations.

Topics of Study:

- A) Whole Numbers
- B) Operations with whole numbers and decimals
- C) Working with Data
- D) Patterns and Equations
- E) Fractions, Decimals and Percents
- F) Operations with Fractions
- G) Geometry (2D, 3D, Motion)
- H) Measurement (Length, Perimeter, Area, Temperature, Time, Mass, Volume)

Students will be taught the K&E material, but will not be limited to this material. The main objective is to ensure successful building of essential skills and readiness for progression to the next level.

Assessment:

Classwork: 70%
Quizzes/Test: 30%

Achievement/Communication: Communication about where a student is in their learning will be shared formally in report cards and informally, through email or phone calls. Please feel free to contact Ms. Pieterse at any time through email (mpieterse@rockyview.ab.ca) with questions or concerns regarding this course.

At Beiseker Community School, it is our belief that a student's grade should demonstrate and reflect the student's knowledge. To this end, we will do our best to avoid assigning a mark of zero on a task or assignment. We will first make the following types of attempts to ensure completion of assigned work: phone calls home, email home, Powerschool notification, study hall referral, tutorials, adapted programming, administrative referral. If work is still not complete after making these attempts, then an incomplete or failing grade may be applied.

Class Expectations

1. **Attendance:** In Grades 7-9, students are expected to increase ownership of their learning. Class attendance is vital for their success, as this allows students to receive instruction and support from the teacher daily.
2. **Responsibility:** It is the student's responsibility to complete assigned work and ask for help as needed. This includes making up for missed work.
3. **Readiness:** Having necessary materials and being prepared for class ensures that students are ready to maximize their learning during designated class time.
4. **Respect:** Students are expected to treat all members of our class community with kindness and respect.
5. **Effort:** Students are expected to participate and put their best effort forward in all classroom activities.