



Strait Area Education Recreation Centre

Math Essentials 10/Math IPP 10

Mr. Justin Penny

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Course Description:

The purpose of this course is to help students understand and demonstrate a number of concepts including mental, applying operation principles in numeric and algebraic situations, geometric concepts, data collection and analysis, pattern analysis and skills associated with measurement as it applies to the workplace and real-world situations. The course is broken into five basic units as well as the mental math portion taking place throughout.

Assessment and Evaluation:

Students will be assessed and evaluated on an ongoing basis throughout the course of a variety of tools such as classwork, assignments, projects, tests and quizzes will be used to identify understanding.

Course outline:

1. **Earning and purchasing:** In this unit we will look at reading and interpreting various forms of data such as graphs, spreadsheets and charts and using this to figure out hours worked, pay, deductions, etc...
2. **Banking:** This unit explores banking transactions and the nature of interest.
3. **Measurement:** This unit provides knowledge about the Imperial and Metric systems. It also focuses on estimating and measuring as well as fractions and decimals.
4. **Geometry:** This unit looks at polygons, transformations, patterns and creating designs and logos.
5. **Transportation:** Students will analyze the costs of getting a Driver's Licence as well as the responsibilities and costs of buying and operating a vehicle.
6. **Probability:** Students will make predictions, compare probabilities and participate in simulations (Optional)

*Various Mental Math exercises will be completed as well and will contribute to your final marks in different categories listed below.

Course evaluation:

Assignments and Projects: 30%

Tests and Quizzes: 20%

Observations (IXL, Centres, Mental Math): 20%

Conversations (with teacher and peers): 15%

Final Exam: 15%

Necessary materials: A binder or duotang, a calculator and a math set, as well as a pencil and eraser.

Student expectations:

1. You are expected to be prepared for each and every class with a pain in your textbook as well as your binder/ notebook.
2. If you are absent for a class, it is your responsibility to get yourself caught up on missed materials. Check with a classmate on the expectations for next class. Extra hand-outs will be placed in at the front of the classroom.
3. Assignments and projects are expected to be handed in on their sign due date, unless you have special circumstances that are cleared with your teacher.
4. If you need any extra help it is your job to ask a teacher or a TA in the room.

Teacher & Parent/ Guardian Expectations:

1. I will be available to help students during class, or after school when arranged.
2. Assignments and tests will be marked and posted on PowerSchool within two weeks of writing them.
3. Updates on when assignments are due will be posted on Google Classroom for parents and students to view.
4. I can be reached at the email at the top of this document at anytime and I'll be happy to answer any questions that students parents or Guardians may have about their learning.

Classroom Management Plan:

1. Students will show responsibility with their materials and anything that is necessary. When the class is over, their work will be left in a designated space or submitted in a tray in the front of the room if complete.
2. No cell phone usage as per school policy with the exception of use for educational purposes.
3. Keep in mind the school's rules about scents and allergies.
4. Bookbags and other storage will be stored safely and will not be a source of distraction.
5. Respect our fellow students, equipment, technology, materials and furniture.
6. Show up on time, ready to work and with a good attitude.
7. Keep drinks away from technology with no open lids. Eating is only permitted if necessary and at my discretion. No eating lunch after lunch!

Parent/ Teacher Communication: Please feel free to send me a note with your child, contact me at the school via telephone prior to 3:00, email or arrange a meeting with me after school hours if a concern arises in your child's education. The knowledge you have about your child is important and can be used to further your child's education!

Thank you in advance for your support and please sign and return this form,

Justin Penny

Student Services Teacher, SAERC

justin.penny@srsb.ca

1 (902) 625-1929, ext. 253

Parent/Guardian Signature: _____