



OKANAGAN MISSION SECONDARY



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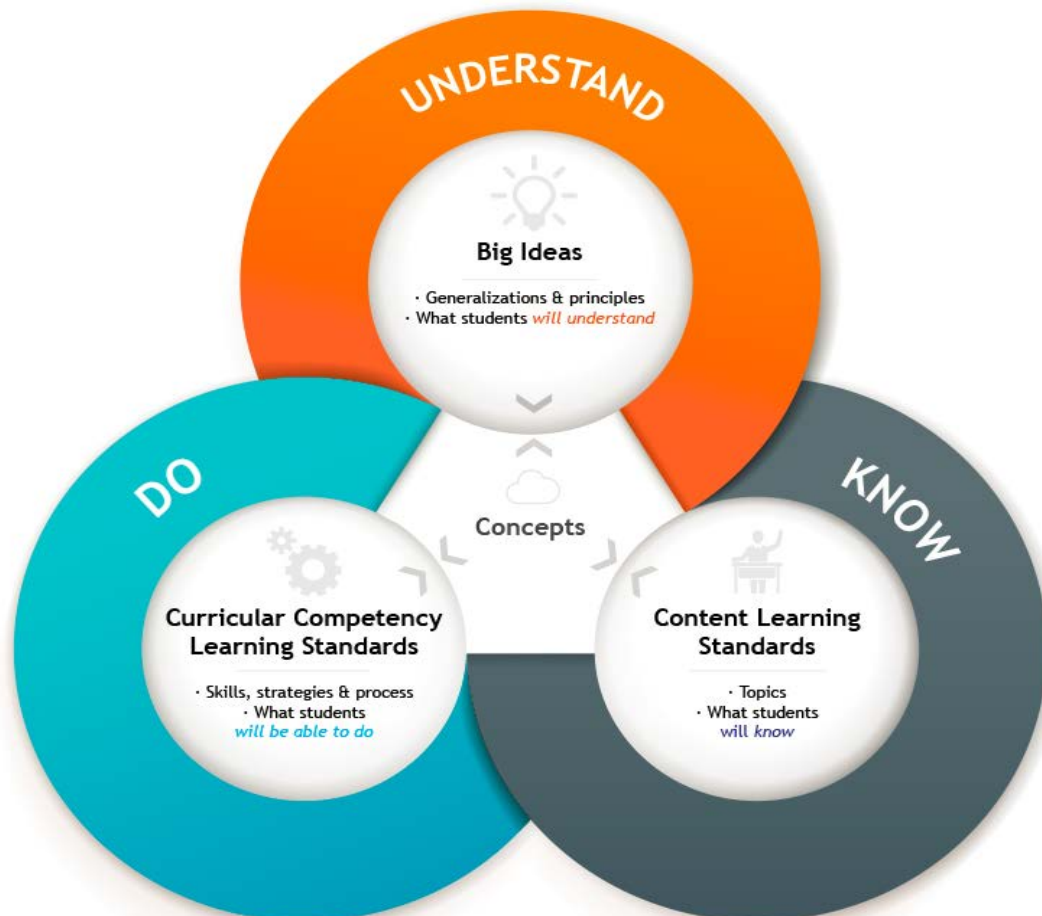
<http://anthonygreer.weebly.com/>



Math 7-Science 7 Course Outline

I would like to take this opportunity to welcome you to OKM. I want you to know that your child's success is my number one goal and I will do whatever I can to assist them in their quest. We will be partners in this process which means communication will be key. Please do not hesitate to contact me. I am eager to begin another exciting year of Grade 7 Math & Science!

The curriculum for Kindergarten to grade 9 has been redesigned to meet the needs of the 21st Century Learner. More information can be found on the [Ministry of Education website](#).





As you can see from the first graphic, the course is comprised of the Big Ideas, Curricular Competencies, Content as well as the overarching Core Competencies that are in every subject and grade.

Core Competencies



- **Communication** -The communication competency encompasses the set of abilities that students use to impart and exchange information, experiences and ideas, to explore the world around them, and to understand and effectively engage in the use of digital media.




- **Thinking** - The thinking competency encompasses the knowledge, skills and processes we associate with intellectual development. It is through their competency as thinkers that students take subject-specific concepts and content and transform them into a new understanding. Thinking competence includes specific thinking skills as well as habits of mind, and metacognitive awareness.
 - **Creative Thinking**
 - **Critical Thinking**



- **Personal and Social** - Personal and social competency is the set of abilities that relate to students' identity in the world, both as individuals and as members of their community and society. Personal and social competency encompasses the abilities students need to thrive as individuals, to understand and care about themselves and others, and to find and achieve their purposes in the world.
 - **Positive Personal & Cultural Identity**
 - **Personal Awareness & Responsibility**
 - **Social Responsibility**



Big Ideas for Math 7

 Big Ideas

Decimals, fractions, and percents are used to represent and describe parts and wholes of numbers.

Computational fluency and flexibility with numbers extend to operations with integers and decimals.

Linear relations can be represented in many connected ways to identify regularities and make generalizations.

The constant ratio between the circumference and diameter of circles can be used to describe, measure, and compare spatial relationships.


Data from circle graphs can be used to illustrate proportion and to compare and interpret.

Curricular Competencies and Content

The purpose of Math 7 is to develop deep mathematical understanding and fluency, logical reasoning, analytical thought, and creative thinking. The content focuses on concepts related to number sense, patterns and relations, spatial sense, and statistics and probability. Students actively investigate problems and find solutions. They learn to take risks, experiment, and make logical guesses.

(Ministry of Education – [Math 7](#))

Big Ideas for Science 7

 Big Ideas

Evolution by natural selection provides an explanation for the diversity and survival of living things.

Elements consist of one type of atom, and compounds consist of atoms of different elements chemically combined.

The electromagnetic force produces both electricity and magnetism.

Earth and its climate have changed over geological time.

Curricular Competencies and Content

The purpose of Science 7 is to develop scientifically literate citizens with the following attributes:

- A critical awareness of the role of science in society
- A caring and responsible disposition with an understanding of social and environmental issues
- An ability to use scientific evidence, as well as their knowledge from other areas of learning, to develop their own views, discuss and make informed decisions
- A curiosity and wonder about the natural world

(Ministry of Education – [Science 7](#))

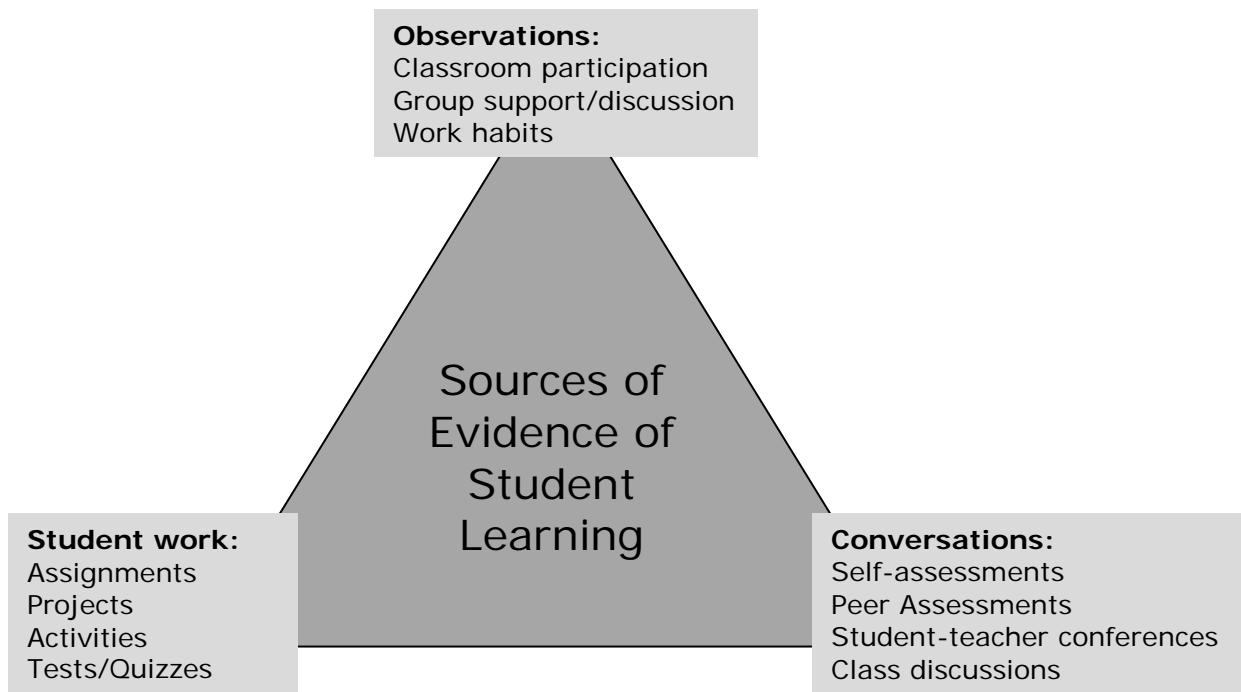


Assessment Overview

*EVERYTHING YOU DO, CREATE, AND SAY COUNTS.
EVIDENCE IS COLLECTED DAILY!!!*

I aim to have a clear and transparent assessment practice so that students, teachers, parents and administration can all accurately see how the student is progressing. There will be various formative-based assessment strategies that will guide the student through the learning activities. The Fresh Grade portfolio will contain snapshots of learning, student work, reflection activities as well as summative assessment of the learning outcomes. Please remember that there are various formative-based activities and assignments that may lead up to the recorded grade. The overall grade recorded on report cards and interims will be a combination of observations, conversations and products gathered over time.

Triangulation of Evidence



My goal is for the student to understand their own learning and be able to articulate their strengths and areas of improvement to their peers, teachers and parents.

The tool that I will be using this year is Fresh Grade. Parents will be sent a link to sign up to view the electronic portfolio and monitor academic progress. The tool can be accessed through a free app on your mobile device or by signing in to the website. Information is only shared with the student and their parents/guardians.



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Classroom Expectations

My classroom expectations are very simple. They are expected to arrive **on time**, come **prepared** with all of their materials, be **respectful** and **work their hardest** each and every day! I ensure that if everyone follows these expectations we will all have an excellent year 📖



While your letter grades may be important, your work ethic is of greater importance! It is your character traits that you use when accomplishing a task no matter how simple or challenging it may be.

“Your ability to discipline yourself to set clear goals, and then to work toward them every day, will do more to guarantee your success than any other single factor.”

~ Brian Tracy



Work Ethic

The following rubric will be used to help guide the student’s work habits and they will be asked to use this tool to self-assess throughout the year.

G S N		
Learner		
Most of the time, I choose to... <ul style="list-style-type: none"> listen to instructions use class time effectively be self-directed, motivated, and reliable bring necessary materials arrive to class on time complete and hand-in assignments on time be organized use my cell phone only when instructed 	Some of the time, I choose to... <ul style="list-style-type: none"> listen to instructions use class time effectively be self-directed, motivated, and reliable bring necessary materials arrive to class on time complete and hand in assignments on time be organized use my cell phone appropriately but sometimes I am off-task 	Rarely, I choose to... <ul style="list-style-type: none"> listen to instructions use class time effectively be self-directed, motivated and reliable bring necessary materials arrive to class on time complete and hand in assignments on time be organized use my cell phone appropriately
Collaborator & Contributor		
Most of the time, I choose to... <ul style="list-style-type: none"> work well with others have a positive impact on the learning environment actively participate in learning activities share my point of view 	Some of the time, I choose to... <ul style="list-style-type: none"> work well with others have a positive impact on the learning environment actively participate in learning activities share my point of view 	Rarely, I choose to... <ul style="list-style-type: none"> work well with others have a positive impact on the learning environment participate in learning activities share my point of view
Innovator & Thinker		
Most of the time, I choose to... <ul style="list-style-type: none"> attempt to apply what I learn consider other points of view when forming my opinion justify my point of view 	Some of the time, I choose to... <ul style="list-style-type: none"> attempt to apply what I learn consider other points of view when forming opinions justify my point of view 	Rarely, I choose to... <ul style="list-style-type: none"> attempt to apply what I learn consider other points of view when forming my opinion justify my point of view



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Learning Environment

Students are expected to try their best! This class provides a **safe learning environment** where students are encouraged to take risks in their work. The only wrong path you can take is one where you don't try. A positive attitude and perseverance will always lead you to success!

Attendance

While it is understandable that students will get sick through the year, have family emergencies and have appointments to attend, the original classroom experience can never be 100% duplicated. I will always do my best to help students catch up on the material that has been missed, but it is the student's responsibility to follow up with me and their classmates for the missing work. Please check your child's Fresh Grade portfolio and announcements to stay informed about assigned homework and important dates.

Extra Help

Most students find it necessary to seek additional assistance at some point in the school year. If you are struggling with a concept, or are falling behind and need more work time, I encourage you to come see me ASAP. The longer you wait the harder it will be. My tutorial times will vary between the mornings, lunch times and after school depending on my schedule and additional responsibilities. Don't fall behind! Come see me to set up a meeting time.



Supplies

- ✓ Binder
- ✓ Lined Paper
- ✓ Pens
- ✓ Pencils
- ✓ Eraser
- ✓ SD23 Google account

Other Items to Discuss in Class:

- Eating/gum
- Cellphones/music
- Water/bathroom breaks
- Seating plans
- Any other concerns/questions?

As mentioned earlier, effective communication will be key this year. I plan to use a combination of Fresh Grade & my website to remain connected to both students and parents. I hope that you and I have an enjoyable year together in Math and Science 7.

Thank you,

Anthony Greer