



THE MESSENGER

A Newsletter for Supporters of Immanuel Christian School

Vol. 30 No. 11

November 17, 2017

FROM THE PRINCIPAL:

This past week we welcomed Rev. Octavius and Marie Delphus from Haiti and Mr. John Kottelenberg from Word and Deed into our school for an assembly. Pastor Tav explained his work in Haiti in the church, but also spoke about the work of Adoration School. It struck me how important schooling was to those students and how much they valued and appreciated their schooling and the significant sacrifices they made to participate in their schooling. Too often we (and our students) take what we have for granted and despite the rich privileges we have in our Christian school do not always take our tasks here as seriously as we should. Hopefully presentations like these help us reflect on the blessings and opportunities we have here at ICS and that students engage themselves fully in their learning.

Thank you to all who came to parent-teacher conferences this past week. These conversations help us to be on the same page and show your investment in your child's learning. We have been having some conversations recently as high school staff about engagement and responsibility for student learning. While some students are consistently engaged in their learning in all classes, we have some students who seem to pick and choose which classes they will work in and tend to misbehave or 'check out' of others. While engagement of students in their learning is certainly a goal for teachers as they plan student learning activities, it seems that it is the expectation of some students that they be entertained in order to learn. Their behavior, when not engaged, either comes across as laziness, or results in misbehaviour. In speaking with students, some suggested that teachers should earn student respect. Both these trends concern me in that they are not a biblical approach to their daily studies. What we confess in the Heidelberg Catechism concerning the fifth commandment is quite relevant here. It reads: *What does God require in the fifth commandment? That I show all honour, love, and faithfulness to my father and mother and to all those in authority over me, submit myself with due obedience to their good instruction and discipline, and also have patience with their weaknesses and shortcomings, since it is God's will to govern us by their hand.* I recognize that students will not always enjoy or be engaged in their classes. It can be difficult for teachers to teach and communicate the curriculum in an engaging and enjoyable way every day, especially in an age when digital media plays such a huge part of our students' lives. However, we do ask that parents encourage their children to respect their teachers from day to day and to engage in the learning opportunities in the classes, to be diligent in their studies and to be patient with the teachers' shortcomings. Please speak about this topic with your children as this support from home really helps teachers in their classrooms.

This coming week we hope to enjoy a regular five day week with hopefully few extra interruptions or events. On Thursday the Grade 10 students will be touring and volunteering at Siloam Mission. Mrs. Dykstra was invited to speak at a Herzing College event on her work here at ICS and some comments on the changing nature of students entering post-secondary. We are thankful for the exceptional work Mrs. Dykstra does for our guidance program and are happy to see that outside organizations recognize this as well. Keep an eye on the Guidance column in the Messenger for information about our upcoming Career Fair. This is a great opportunity for parents to get information about post-secondary options so they can help guide their children in their consideration of post-secondary options.

Winter Extravaganza ~ Volunteers Urgently Needed!

November 25, 2017 – 10am-3pm

- **Volunteer!**

We still need help in a few critical areas. If you have not signed up and have some time, would you consider filling in one of the following spots?

- Bouncy Castle Supervision 10-12
- Canteen Cash Table 1:30-3
- Chicken/Dart Throw 11:30-1:30
- Chicken Dart Throw 1:30-3
- Hockey Target Game 12-1:30
- Hockey Target Game 1:30-3

If you are able to help please go to:

1. <http://signup.com/login/entry/616982144531090052>
2. Enter your email address: (You will NOT need to register an account on SignUp.com)
3. Sign up! Choose your spots - SignUp.com will send you an automated confirmation and reminders. Easy!

Note: SignUp.com does not share your email address with anyone. If you prefer not to use your email address, please contact Alisa Deboer and she can sign you up manually.



- **Flyer Delivery**

Once again we are planning to blitz the surrounding neighbourhood(s) with a flyer drop on **Monday and Tuesday**. We have 2000 flyers to deliver. If you are willing to help, please contact one of the organizers. It takes 10-15 minutes with a few hands to deliver 100 flyers.



- **Food Donations**

Thank you!!!... for the wonderful response to our request for food donations. We only have 3 items left! If you would like to donate any of the items below, please contact Shanna Ravensbergen ((204) 807-0062 or ajraven1@gmail.com) prior to purchase to ensure we don't double up. Food donations may be given to Amanda Teitsma ((204) 451-2685 or amanda.teitsma@gmail.com).

- 13 packs of precooked bacon (e.g. Maple Leaf Ready Crisp or PC brand)
- 1 loaf of gluten free bread
- 1 jar of gluten free mayonnaise

- **Poinsettia Orders**

Get started on your holiday decorating while supporting ICS Future Needs with gorgeous locally grown poinsettias from Vanderveen's Greenhouses. Price: \$15.00 each for a 6" plant; they are available in red, pink and white. Order forms and payment can be submitted to the office or to Aileen Raap or Brandi Moesker on or before **November 20**. Poinsettias will be available for pick-up on November 25th between 10 a.m. and 3 p.m. at Immanuel Christian School.

Charlotte Kamminga, Jessica Vandersluis, Shanna Ravensbergen, Amanda Teitsma and Alisa Deboer

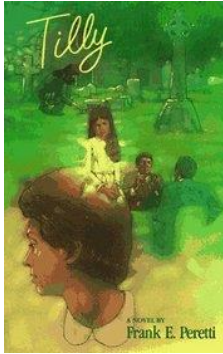


GENERAL NEWS:

1. **School Cleaners Nov 20-24:** B&L Nagtegaal, T&V Gortemaker, L&S Vandenberg, T&M Beijes, F&A Jonker, M. Welfing, C&L Nagtegaal.

2. **Koats for Kids:** Thank you to everyone who contribute to the outer clothing drive for Koats for Kids! Together we collected more than 100 items including 21 coats, 10 pairs of ski pants, 43 hats, 20 scarves, 13 pairs of mitts and gloves, and 6 pairs of winter boots. Last year, Koats for Kids distributed over 6000 items to Winnipeg kids in need; it is so nice to be able to do something to support that. Special thanks goes to those kind folks that knitted new items for donation.
3. **Scholastic orders** are due next Friday (November 24). Please hand in your orders to the classroom teachers along with a cheque made out to Scholastics Canada.
4. **Needed for K: 24 cream/milk cartons for gingerbread house making in December.** The 250 ml is the best size but we'll take 500 ml. and 1 litre cartons as well. **Please rinse them well** and bring to the office or the K room. Thanks, Mrs. Nyhof
5. **Operation Christmas Child:** Thank you everyone for your participation this year! We ended up with 89 boxes! Thank you for showing a christian giving attitude and we hope to have such a great turn-out again next year! Student Council

LIBRARY NEWS:



A spooky story... in our school library

Tilly, by Frank Peretti, originally based on a radio drama on **Focus on the Family**, is a haunting pro-life story.

The following students have overdue library books:

Kindergarten:

Jesse H.
Evan M.
Lars V.
Jackson V.

Grade 1:

Ethan D.
Kieran D.
Shiloh T.

Grade 2:

Sarah D.

Peyton J.

Taryn J.

Chloe L.

Charity V.

Olivia V.

Grade 3:

Kalli N.

Cooper T.

Deanna V.

Hayley V.

Grade 5:

Nicole V.

Alexis W.

Shannon W.

Grade 6:

Connor K.

Joshua V.

Grade 7:

Tim B.

Zack D.

Kaden V.

Grade 8:

Drew V.

Grade 9:

Alexis G.

Grade 10:

Nicole G.

Shayna R.

Serena S.

Megan T.

Kazia T.

Aiden V.

Emily V.

Grade 12:

Savanna M.

Julianne M.

Taryn R.

Taylor S.

SPORTS CORNER:

Volleyball:

- We are nearing the end of our volleyball season. Our Junior Girls will play in their final tournament on Saturday at Linden.
- The JV Girls played their interzone game on Thursday against Major Pratt (Russell) in Brandon. It was a tough game for the girls, and they lost in three sets. They are now awaiting word to see if they are selected for the wildcard game.

- The Varsity Girls play in their provincial qualifying tournament in Niverville on Saturday. They need to finish in the top 2 teams to advance to provincials.
- The Varsity Boys play in their provincial qualifying tournament in Steinbach on Saturday. They need to finish in the top 4 teams to advance to provincials.

Calendar:

Saturday Junior Girls at a tournament at Linden
 V Girls at a tournament in Niverville
 V Boys at a tournament in Steinbach



GUIDANCE:

- **NEW! Property and Insurance Program at Red River College.**
 Are you a problem-solver? Analytical with strong communication skills? You should consider a career in Insurance. Our Property and Casualty Insurance program will help you gain the skills required for careers in insurance. You will develop the fundamental skills required for general insurance client interactions in brokerage, claims adjusting and underwriting environments. Join us for a free information session at RRC to learn more about the Property and Casualty Insurance program, careers paths and incomes in this exciting field.
 Date: December 7; Time: 5:30 – 7pm
 Location: RRC Roblin Centre Campus [P107- 160 Princess Street](#)
 More program info: rrc.ca/pci

Calendar:

Save the Date:

November 29: Future Student Night at the University of Winnipeg.

November 30: Grade 10 class to Red River College for “Youth in Manufacturing” program.

December 1: The Leader of Tomorrow Scholarship deadline for students who have applied to the University of Manitoba.

December 7: **ICS Career Fair**- look for the schedule in the Messenger next week!

If you have any questions and or would like some help applying for scholarships, etc. you can email me any questions at edykstra@immanuelchristian.ca or to set up a time to meet.

MUSIC NOTES!

Kindergarten: (Mrs. Nyhof): We are working hard to learn the Christmas program songs in Kindergarten. This will continue to be our focus for the next while.

Mr. Bonefaas is away once again for practicum and **Mrs. Kottelenberg** has taken over the Christmas Program preparations! All the classes will be focusing their energy on learning the songs for the program and many of them have already memorized the first few songs! Since there are not many music classes before the Christmas Program most of the grades will be having combined Music classes. This will give them a bit more experience singing in a larger group! Hopefully they will come home singing the songs and if they have other siblings in the Christmas Program, it would be great if they sang them together!

ELEMENTARY CLASSROOM NEWS:

Kindergarten: Mrs. Nyhof

We had a short week with only one day of school for Kindergarten. Mrs. Nyhof came home from Ontario sick so Mrs. Beijes was in Kindergarten for the whole day. We sponge painted bears and had an assembly too! We will be busy practicing for the Christmas program and practicing for our upcoming Teddy Bear Picnic. Look for an invitation to come home next week!

This is what is planned:

Monday: Library (5 books this time)

Parent Helper: Mon.: Melissa Leach; Wed: Jessica Jonker

Bible Stories: Monday: Jacob at Laban's; Wednesday: Jacob Leaves Laban's

Memory Work: Song: Ps 87:1; **Text:** Psalm 103:1 "Bless the Lord, O my soul, and all that is within me, bless his holy name!"

Show and Tell: Monday: Rachel, Ryder, Scarlett, Wednesday – Stuart, Troy, Zoe

Math: We'll be working with 2-D shapes (circle, square, etc.) pattern making

Language Arts: Continuing with Animated Literacy-letters, sounds and songs.

Theme Unit: Bears

Physical Education: Exploring activities with bouncy balls and tag games

Have a blessed weekend!

Grade 1: Mrs. Welch and Mrs. Veenendaal

The students continue to be excited to learn and try new things. Each day they learn a new 'Power Word' and are excited each and every time they learn what the word is. This past week we also introduced new Math games in our centers. This was very exciting for many as they were able to work with some new materials including Bingo dabbers which were a big (but messy) hit. The students continue to enjoy learning new songs for the Christmas program each week. We have also been practicing these daily. Another highlight was to make a class book using our journal entries and also in Math class we made an estimation picture book. We will take turns taking these home each night so that all students have a chance to share their work with their family.

This week students will have their first homework assignment of the year. However this homework is to be completed by us, the parents. Please look for a short survey in your child's agenda and fill it in with your opinions about them. This week we spent some time discussing what the word 'smart' means and introduced the concept of multiple intelligences. In class we change the multiple intelligences to 'smarts' and the students learned that there are many different ways to be smart. Here are their initial thoughts about what it means to be smart.

It was interesting to see that many of the 9 intelligences or smarts were covered by the students and they were able to add the rest later with only a little help from the teacher.

Have a blessed weekend!

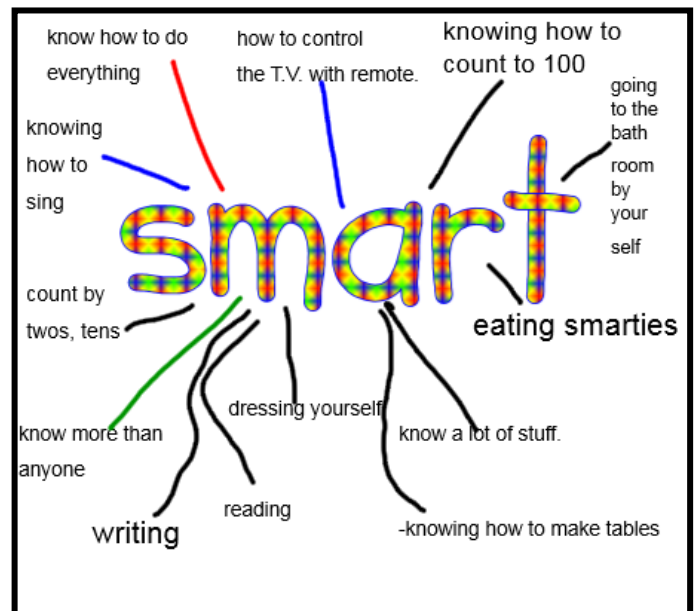
For next week:

Show and Tell: M. Aurora, Blake; T. Caitlin, Caleb; W. Ethan, Gavin; Thr. Hailey, Jillian

Memory Work: Since we will start learning the speaking parts of the Christmas program in December we will only give one week to learn our text this time. Song: Psalm 99:1; Text: Isaiah 7:14 (due Friday, November 24).

Bible: We departed slightly from our schedule last week due to an assembly about Adoration Christian Centre. So for this week: Monday: Deaths of Rachel and Isaac (Genesis 35: 16-29), Tuesday: Review of Isaac and Jacob, Wednesday: Test on Isaac and Jacob, Thursday: Joseph is Sold into Slavery; F: Joseph in Potiphar's House.

Word Wall Words: We finished with Power Words 2 last week and will begin Power Words 3. Our words for the week are: **all, are, at, but, do.** When you are reading books at home, you can also hunt for Power Words - it's fun!



Letter Work: Next we will work with the Thick Thorny Thing (**th**), Abe the Skating Hare (**long a**), and Ike's Night Bike Ride (**long i**).

Math: We continue to work on our number sense. We have spent some time learning about less than, more than, and equal to and using the associated symbols with numbers and pictures. We have also learned that estimation is making a smart guess. This has been a challenge for many students. For some it is difficult to make a reasonable estimate. For others it is very difficult to be wrong and they do not want to make a guess until they know they will be right or at least close to right. We also continue to work with our Number of the Day. Students have learned to show this number on a hundred chart and will now do this with ten frames. We have had 48 days of school already so counting on and back becomes quite challenging for Grade One students.

Grade 2: Ms. Desrochers

*What we have learned or will learn over the next week. ☺

Word Wall Words: shook, found, write, writing, girl (tested November 14th).

Memory Work: Text: Micah 5:2; Song: Psalm 92 vs.1 (tested on November 24th).

Bible/Church History: Being a Martyr for the Lord takes a lot of strength and courage. Students are learning that a martyr does not rely on his own strength but they receive strength from God. Having faith and trust in Him and knowing that he will give us all that we need is important in our faith life.

ELA: Students continue to learn about, and apply, what the important parts of a sentence are.

Math: We continue our unit on measurement.

Science: Where does water come from? Where is the wind? How can we see, hear and feel the wind? ... are some of the questions the Grade 2 class have been pondering on this week.

Art: This week students were introduced to the medium of "liquid watercolours"; watercolours in the consistency of a liquid. The paint made students "faux stained glass" pop with colour.

Gym: Students will continue to practice throwing, catching and dribbling using a variety of games and partner work. In December the focus will be on hoop and bean bag games.

If you have any questions feel free to contact me @ edesrochers@immanuelchristian.ca

Have a wonderful weekend!

Grade 3: Mrs. Zivanovic

Memory Work: Song: I Believe /He Will Come; Text: Christmas Concert Narration (The song and text narrations will be sent home on a separate piece of paper to practice for our upcoming Christmas concert. I will also send a link via email to all parents for the song melody.)

Bible: M: Joseph's dreams; T: Joseph is sold into slavery; W: The butler and the baker; Thr: Pharaoh's dreams; F: Joseph's brothers in Egypt.

ELA: We have been working on one chapter at a time for our novel *When the Soldiers Were Gone*. We read the chapter and then do a response to the chapter in written form and this is part of Read to Someone and Work on Writing during our Daily 5.

Word Wall Words: went, anyone, are, can't, don't.

Working With Words spelling lists: We will be having a regular 5 day week cycle next week and the test will be on Friday, Nov. 24.

Math: We will continue to work on our regrouping topic. So far we have gotten quite good at addition and next we will be working on subtraction. We are also continuing to work on practicing our math facts to 18 in order to improve our fluency and strategies.

Soc St: We have finished our posters finally, which ended up being a big project! However they look very good and the students worked very hard on them. We will now go back to working on our studies about what it means to be a Canadian citizen.

Art: We have been working on the idea of harmony with patterns and colour. We will be looking at shapes in architecture and shapes in people and link in with our Canadian unit about famous Canadian buildings and famous Canadian people.

Grade 4: Miss Tamminga

Devotions: Monday: Hayley- Psalm 103: 17-19; Tuesday: Ryaln- Genesis 2: 8-10; Wednesday: Krista- Psalm 104: 27-30; Thursday: Jack- Leveticus 19:2, Jeanette- Deuteronomy 18:13; Friday: Nadia- Genesis 2:7

Bible: We are continuing in our new unit on King David. Next week we will read about how David slew Goliath, Saul's jealousy, David and Jonathon's friendship and David fleeing from Saul.

Math: We will spend Monday's math class working on a project involving estimations. **For this we need a number of store catalogues and magazines. If you have any to spare please send them to school.** The remainder of the week we will continue with multiplication concepts.

Science: Next week we will be completing our unit on habitats by building our animal dioramas. We will also have a number of short quizzes to test our ability to use this units vocabulary.

Social Studies: We will be beginning our unit on Canada's government this week.

ELA: We are working on writing, editing and publishing our nonfiction books. This week students will also be selecting and reading aloud a short passage from a nonfiction book of their choice to the class.

Students are encouraged to practice their chosen book at home.

Nonfiction Read Aloud Schedule: Monday- Jack, Jeannette; Tuesday- Nadia, Rylan; Wednesday- Amy, Lilly; Thursday- Tianna, Sam; Friday- Brody, William.

Phys Ed: Gym class will be on Tuesday and Thursday next week. We will be completing our unit on volleyball and assessing our skills.

Riddle of the Week: What goes up and never comes down?

Grade 5: Mr. Spoelstra

Patrols: Week of November 20: Finnley, Noah D, Mikaela

Devotions: Caleb (Ps. 20), Chelsea (Ps. 21), Cohen (Ps. 22), Colten (Ps. 23), Finnley (Ps. 25).

Memory Work: *Song: Alleluia! The Messiah has been born!* **Text:** Jeremiah 33: 14 - 16

Church History: Our first quiz is coming, covering chapter 1, The Path of the Church. We have talked about the history of the Church, our creeds, the liturgy, the Holy Spirit, the use of different people, and what makes a church faithful.

ELA: We are reading short stories from the book Cornerstones and working on various writing, illustrating and presentation skills.

Math: We are just about wrapping up our Number Sense unit on multiplication and division. Students are urged to practise at home before the test on Thursday!

Gym: We are playing various indoor games focusing on team play, hand-eye coordination, and movement. Students need reminders to play fair and worry less about winning and more about having everyone involved and enjoying sport.

Art: We have just finished our Remembrance Day posters/drawings and will get back to the Elements of Art. Next up: Colour.

SocSt: We are just about to finish our Manitoba unit; we will have a quiz coming in the next week or so. Right now, we are working on a project about the railway and its effect on Winnipeg and the rest of the province. After that, we will see how Confederation came into the other provinces.

Grade 6: Mr. Folkerts

This week grade 6 students put their final touches on their Remembrance Day posters. Wow, great work! Now we have a long wait for the results. 😊

Patrols: Joshua, Brady & Jasmine

I.A.: The next I.A. will be on **Thursday**.

Memory Work: Song: Psalm 50:5, 6

Spelling: Spelling Lesson 8 – R-controlled Vowels. Remember to make all corrections from the previous lesson. Define the following words and use them in a descriptive sentence (minimum 10 words in each

sentence): urgent, irrigate, surprise, necessary and conserve. Observing Patterns: 1-3; Discovering Patterns: 1; Exploring Patterns: 1, 2; Challenges with Words: 1, 3.

ELA: We had our first few booktalks this week. Next week we'll continue editing and revising one of our "Ideas" free writes.

Bible History: In Bible we're covering the intertestamental period.

Science 5/6: Next week we'll look at the respiratory system.

Math: Next week we'll review our unit on patterns and equations and have a **test on Tuesday**.

SocSt: We are just about to finish our Manitoba unit; we will have a quiz coming in the next week or so. Right now, we are working on a project about the railway and its effect on Winnipeg and the rest of the province. After that, we will see how Confederation came into the other provinces.

Grade 7/8:

Math 7: Students learned how to find the percent of a number this week. They completed some practice which included part B of their school supply project. We'll do some more practice on decimals, fractions, and percent to ensure students have a good grasp of this content. Students will write a quiz on percent on Friday, November 24.

RefSt 7: We made a small beginning on our new unit on Abram. Next week we'll study Genesis 12- 16.

SocSt 7: This week students got back to writing and creating parts of their country projects covering topics such as government, history, natural resources, etc. Some students are doing very well, even working on it at home. Remember to complete to topics during/after every class in order to be done by the due date of November 30.

ELA 7: We have just started studying the novel "The Lion, the Witch, and the Wardrobe." We hope to finish that before Christmas and in January we plan to see a dramatization of this story at the Manitoba Theatre Center.

Art 7: We have spent time working on our Remembrance posters. We've worked on 2 point perspective drawings, drawn some old barns and elevators. Now we will start working on round objects.

Science 7: Students received their chapter 4 tests back on Thursday. We will be continuing chapter five dealing with solutions.

French 7: We continue with our look at family members and the articles *un, une, le* and *la*. Their city project is due on Thursday.

PE 7/8: We will have a short health class on Monday to wrap up our unit, then we will be in the gym. On Wednesday we will have a test on the unit.

French 8: We begin our new unit next week. Their city project is due on Tuesday.

Science 8: Chapter four tests will be returned early in the week. We have moved on to chapter five dealing with light and how it interacts with mirrors and lenses.

Bible 8: We just finished a large group project on Samson.

Soc St 8: Our focus till Christmas will be on Greek Civilization.

Math 8: Thurs. TEST on Operations with Fractions (Chapter 3).

ELA 8: Remembrance Day projects were submitted to the Legion on Thursday. Next week's Daily 3

include: Word Work: Lesson 9 Spelling possessive forms. Conventions: commas in dates and addresses.

Reading: Short stories continued. CAFE: Summarizing the text by sequencing the main events. Writing: Lessons give tips on how to maintain your focus in a composition. Publish a piece of writing. Remember, Library is on Tuesday!

HIGH SCHOOL DIVISION:

Math 10F gr.9: Tues. – TEST on Polynomials (Chapter 5); Fri.– QUIZ on Solving Equations (Chapter 6).

English 10F: Reading; mini-lessons; writing all continue; presentations on *Exits and Entrances* start, with the focus on the theme of illusions. READO journal due **Tuesday, November 21**.

Careers 9: Students read and completed the activities in chapter 13 of *Success in the Workplace*. Topics addressed included attitude and work ethic, deciding the best order to complete a given list of tasks, accepting orders and how to get along with supervisors, the attributes of a trustworthy employee and

what qualities belong to professionalism. Students also had time to revise their AEPs and resumes, after which they worked on their portfolios. Next week students will read and analyze an article which addresses the importance of being punctual via an article from *The Winnipeg Free Press*. Then we'll begin our last topic: Handling Stress in the Workplace"

RefSt11G - Church History: This coming week we are studying the history of the Reformation in England.
French 10F: We began a look at the *passé composé* tense next week. The Speaking test for unit 1 will take place on Tuesday.

Business Innovations 10S (Grade 9/10): Examining business's "other obligations" – next up: "Lifestyle" and "Family Structure." Hoping to get visits from business owners (or to McDonald's?).

PE 10F/20F: We will have a test on our first health unit on Wednesday.

Essential Math gr10: Test Thursday on chapter 4: mass, temperature, and volume.

Science gr10: Students will practise the Bohr model and the Lewis dot diagrams. Students will start to name compounds and write out their formulae.

French 20F: We will continue our look at rooms in the house and furniture and appliances. We will also begin our look at the *imparfait* tense.

Ref. Studies 21G gr.10: Presentations on "Moses – Forerunner of Christ" continue.

English 20F: READO journal due Nov. 29. Writing unit: *Chronicle*, process paper. Deadlines **most days**. Also organizing trip downtown to volunteer **this Thursday**. Remember your forms.

Geog 20G: Unit three tests will be returned early in the week. We will be taking some time to investigate ArcGIS, an online mapping tool.

Applied Math 30S: Chapter five tests will have been returned on Friday. We have started working on chapter six dealing with linear inequalities.

Physics 30S: Tues. – Quiz on One-dimensional Waves; Wed. – Quiz on Superposition of 1-D Waves; Fri. – Quiz on Reflection of 1-D and 2-D Waves.

RefSt gr.11: Test Wednesday on Mormonism.

Cdn Hist 30S: This coming week students are presenting on various topics involving Canada during WWI. This will conclude our third unit and so we will also be having a test at the end of the week.

PE 30F/40F: We have two activity classes next week (Tuesday and Thursday). They will both be volleyball.

Ref. St. 31G gr12: Starting "Song of Songs: What Is Love? [Babe – It Don't Hurt Me!]"

English 40S: Starting *The Chosen*. Journal due Nov. 28. Reading, mini-lessons, writing.

Pre-Calc Math 40S: Tues. – Quiz on Solving Exponential Equations (Chapter 7); Wed. – Quiz on Logarithm Basics; Thurs. - QUIZ on Transformations of Logarithmic Functions (Chapter 8).

Essential Math gr12: Test Wednesday on probability and odds.

Biology gr.12: Students will compare animal cells with that of bacteria, viruses, and prions. Bacteria are the most common organisms in our environment. Viruses and prions are smaller and less complex than bacteria: they invade cells and can alter cellular functions.

World Geo 40S: We will continue our look at land and resource issues. There will be a quiz on the countries of Africa on Thursday.