

SPIRIT

February
2017

Some Pertinent Information Regarding Indus Today

Welcome!

In this issue of SPIRIT, we highlight some of the wonderful things happening at Indus School. From exploring ideas related to a children's story in Kindergarten, to applying mathematical concepts in Grade 9, we share a sampling of the exciting learning activities experienced by our students over the past month.

Enjoy!

M. Wyper

First Student
(Bussing)

Ride-along (before
noon):

403-948-9107

Late Bus Line:

403-250-0016

Questions or Con-
cerns?

403-948-1180

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FEBRUARY EVENTS

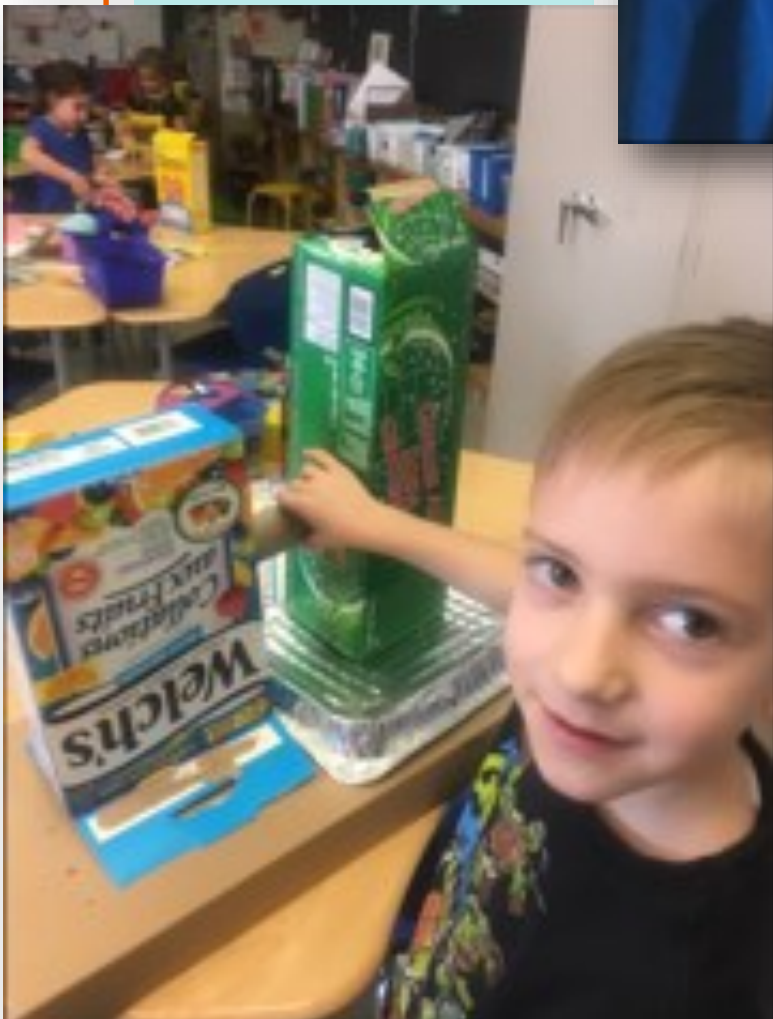
February 1	Student-led Conferences (5:00 - 8:00)
February 2	Parent / Teacher Conferences (4:00 - 7:00)
February 8	Science Fair (public viewing (1:00 - 2:00)
February 10	Hot Lunch payment due (see pg. 7)
February 10	IPPs go home
February 10	Grade 6 Basketball Tournament
February 14	WEAR PINK to stand against bullying!
February 14	Hot Lunch (Chili on a bun)
February 20 - 27	February Break (no school for students)
February 28	Hot Lunch (Edo)

AND INTO MARCH...

March 1	Kainai (Niitsitapi) Elder, Randy Bottle, presentation
March 2	Kindergarten "Grad" photos (afternoon)
March 3	Jr. B Basketball tournaments
March 6	Grade 6 Outdoor School Parent meeting (6:00pm)
March 7	Gr. 1-6 Skiing at C.O.P.
March 7	Workplace Safety presentation Gr. 7-9 (9:30am)
March 8	Gr. 7-9 Skiing at Nakiska
March 10	Gr. 7-9 <i>Leading Change</i> presentation (11:30 - 1:00)

GRADE 1 ARCHITECTS

Earthquakes hit the Grade 1 classroom and students anxiously awaited the outcome of their structures! After sorting, observing, categorizing and identifying the attributes of 3D objects, students set out to design and construct a tower that would withstand the forces of an “earthquake”. These young architects shared their theories and deductions and then tested their predictions. Through firsthand observations, videos and problem solving, students learned the basic design principles necessary for building a strong structure. Our next project, was engineered using recyclable materials. Check out the progress of our structures!



FREE SYNERGY TICKETS

Synergy is the operating arm of the Chestermere Area Youth and Community Development Society. They sponsor a number of organizations and events each year (see <http://yoursynergy.ca> for more information).

Get free access to all their great youth and family programs! Monique Williams has a number of free family passes to give away. Contact her at (moniquenormawilliams@yahoo.com) and she will see that the tickets get to you.



MAGNETIC GRADE 2



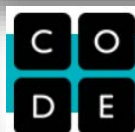
The Grade 2s are exploring magnets and have been learning what attracts and repels, the strengths of magnets, and polarity. They are going to be designing and making a device that uses magnets. They had to first plan their projects by listing all of the material they intend on using. It will be exciting to see what they make!

HOURLY OF CODE



The annual *Hour of Code* took place during the second week of December. The *Hour of Code* was designed to promote computer coding among students around the world. It is supported by such technology giants as Facebook, Google, Microsoft, and Dropbox. Indus school has participated in this international event since its inception in 2013, with students in Kindergarten through Grade 9 engaging in fun learning activities that give them a taste of simple software development. It is also a great opportunity for our older students to work with their younger schoolmates, helping to build a more cohesive community for all.

For more information, or to give it a try, see the *Hour of Code* link on the homepage of our school website.



GRADE 3 MATH

The month of January was a great time to talk about Math strategies! As a class, we learned many different ways to add 2-digit and 3-digit numbers. We used base ten blocks, played UNO for points, and used number lines. We learned to look at hundreds, tens and ones in many different ways! Re-grouping can be fun! What about estimating? Dexter says the best way to add is to always estimate first so you get a rough answer that is close to the real answer and

then when you add. Your answer should be close to your estimate. If you would like to learn how to play UNO for points, ask a Grade 3 student on how to tally the points.

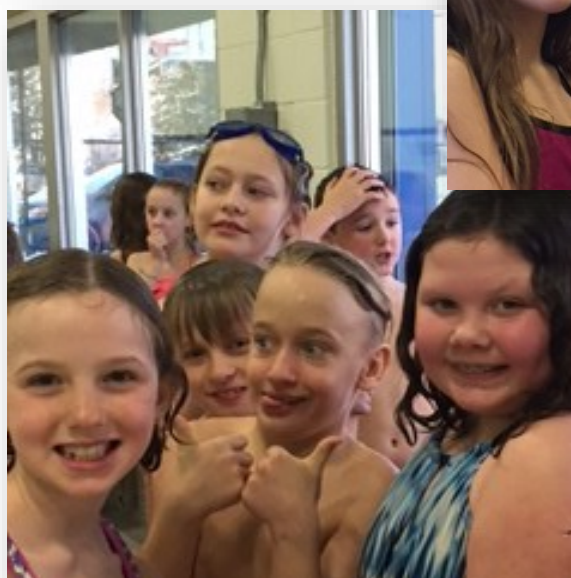


GRADE 4 SPLASHING INTO THE NEW YEAR!

January was bursting with activity. To get back into shape after the holidays, swimming lessons got every part of students' bodies moving again. Each day our class enthusiastically jumped into the pool. Proficient swimmers, who do not always get the opportunity to shine in school, dazzled peers with their skills. The instructors commented on the students' positive attitude towards their lessons. The written evaluations gave specific instructions for improvements. Quite a few will be moving onto the next level. Swimming is a lifesaving skill and all the students recognize the importance of these lessons. The fact that it is also fun is just a bonus.



Special congratulations to Anna in Grade 5 who completed the Swimmer 6 program, the pinnacle of the Lifesaving Society's program.



GRADE 5s RETURN TO "PUSH-UP FRIDAY!"



Our Grade 5 students have been working hard, learning strategies and techniques to improve their physical fitness. To wrap up our unit students participated in the 2nd annual Push-up Friday. Every 10 minutes students would complete a set of push-ups. Kenzie Alm and Samantha Winkler led the way by completing 200 total push ups.

SCHOOL COUNCIL HOT LUNCH

The online ordering is now available for the next set of hot lunches!

indus.hotlunches.net

Orders are due February 10th at 9:00am

Feb 14- Chili and Bun

March 14- Pizza

**April 11- Hamburgers/
Cheeseburgers**

Feb 28- Edo

March 28- Subway

April 25- Tim Hortons

Once you have ordered please submit your payment immediately by **Paypal**

PayPal:

We will only accept hot lunch order payments through this online ordering system/PayPal. **No cheque or cash payments will be accepted.** You can either pay with a credit card or using your bank account. With a credit card you can pay as a PayPal guest (Visa, MasterCard or Amex), or set up your own PayPal account. Please note that you can link your PayPal account to your bank and that way, you can choose to pay directly from your bank account. Even if you don't have a credit card, your child(ren) can still take part in our Hot Lunch program!

****Please Note:** Should you experience any issues with your PayPal account, you must contact PayPal directly to solve the issue.

*****Notice about Lunch Orders** – please note if you are concerned the order may not be enough food for your child(ren), please ensure you send additional snacks/sides for their lunch, in addition to their morning and afternoon recess/snack breaks.

Please note that we unfortunately **cannot** process late orders!

REFLECTIONS OF A PROUD BASKETBALL COACH

by Mr. Tomlinson

Winning a silver medal is a great accomplishment, but one that can be hard to accept. As the seconds ticked down in the girl's final game of the season, it became more clear that they wouldn't achieve the goal of gold which they had strived for since the start of the year. After the first five games of the season the team showed complete dominance. In the 200 minutes of basketball they played, they were only losing for 3 of those minutes. It's understandable why they expected to walk away with the gold. As a coach, however, as good as the numbers were, they were not the reason I knew this team was special. This team had no super-stars. Ask anyone who our leading scorer was and they would have no idea, as it was never discussed. It wasn't their size that made them stand out, or even their natural talents. What made these girls special was their drive and work ethic. No team could match that, no team I have ever coached has come close. Practices were not a battle to get the girl's to work hard, they were a battle to get them to not overstrain themselves. When any of the girls were dealing with an injury, or clearly struggling with our cardio, it would often require a long lecture before they could be convinced to take a break. The reason they didn't want to rest was always the same, they didn't want to let down their team. The problem with a team that plays with so much heart is defeat becomes that much harder to accept. My hope is this season does not get remembered for the one loss. Instead it should be remembered for the many successes, and for the incredible commitment all 11 girls had to the game and each other. The team we had 2 months ago has grown so much. Personally I couldn't be more proud of what they've done and who they've become.



The Indus girls, in blue, faced bigger teams and larger opponents but worked together to dominate their league throughout the season.

ARTIST IN RESIDENCE: GRADES 6-9



Grade 6-9 Art students have been learning how to block print under the guidance of Susan Kristoferson, our Artist in Residence. Susan lives in Turner Valley and has spent 3 hours with each Art class teaching print-making techniques. It has been a wonderful experience to be able to work with a bona fide artist. The students have produced artwork that can be used for our Canada 150 book submissions. We are also considering selling some of our prints as notecards or wall art at a gallery showing that will coincide with the spring Band concert. We would like to thank the Indus Parent Council for the funding they provided to make the Artist in Residence program possible!



JR. ACHIEVEMENT - GR. 7 - 9

JOB #4

Canada Construction Co-op

- ➔ We need the best plumbers in town
- ➔ We are looking for someone who has completed a 4-year apprenticeship program and the required hours of on-the-job training
- ➔ Come "plumb" with the best
- ➔ \$30/hour plus benefits



Paid apprenticeship: No monthly debt payments

On Wednesday, January 25th, Grade 7-9 students had an excellent opportunity to build their financial and economic literacy, through two programs presented by volunteers with Junior Achievement Canada.

Grade 9 students spent the morning gaining a better understanding of life after high school and creating a budget which helped them consider the financial realities of post-secondary life. Thanks to these real-world activities, Grade 9s now have a much clearer idea of the importance of staying in school and exploring post-secondary destinations. The presenter of this program, "Economics for Success", was a parent from our very own school community, Marilyn Gosling!

Guest speakers visiting Grade 7 and 8 students presented a program called "Dollars with Sense". Students reflected on consumer decisions, identified factors that influence spending, calculated the cost of credit, explored the advantages of a balanced budget and learned about how wealth can grow through wise investments.

Canada Construction Co-op Date _____ NO. 100

Pay To The Order Of _____ \$ **3,399.36**

Three thousand three hundred and ninety-nine dollars 36/100

First Bank of Canada

Memo: Net pay for the month Per _____

:30207022: 15 01/20-12

Pay Stub

Gross Pay:	Deductions:	Gross Income:
\$30.00/hour	Income Tax: \$1,087.15	\$4,800.00
	E.I. \$90.24	Total Deductions: \$1,400.64
	C.P.P. \$223.25	
\$4,800 (\$30 x 160 hours)	Total: \$1,400.64	Net Pay: \$ 3,399.36

MOVING DAY!

MONTHLY LIVING EXPENSES	Monthly Budget	Revised Monthly Budget
MONTHLY DEBT PAYMENTS		
A PLACE TO LIVE		
UTILITIES + TV & INTERNET		
TRANSPORTATION		
FOOD		
FURNITURE		
ENTERTAINMENT		
SMART PHONE		
CLOTHING		
MISCELLANEOUS		
TOTAL MONTHLY LIVING EXPENSES		

COST OF LIVING CHALLENGE



JA Canada
A Member of JA Worldwide



Mitch has decided that higher education isn't for him. After high school he plans to go directly into the workforce and find a job at a fast food restaurant. His goal is to become a manager one day, but for now he is enjoying his independence.

KEY DETAILS

- ➔ Mitch has to buy a \$75 uniform and a \$100 pair of work shoes each year.
- ➔ Mitch lives in a house with three friends. Mitch's share of the rent is \$550 per month, including utilities.
- ➔ Mitch has a truck he drives to work each day. He spends \$185 per month for insurance and gas costs about \$60 per week. Parking is free in the lot in front of the restaurant.
- ➔ Mitch's parents gave him a couch and his roommates have some furniture. Mitch still needs to buy a bed, a dresser, a desk, and chair for his bedroom.

CALCULATE A MONTHLY BUDGET FOR MITCH.

MONTHLY LIVING EXPENSES	ESTIMATED MONTHLY BUDGET
INITIAL COSTS	Assume Mitch's work clothes last one year. Add the \$75 for Mitch's uniform to the \$100 for his shoes and divide by 12 to determine the monthly expense. Enter it on the budget under start-up costs.
RENT	Enter the amount that Mitch pays for Rent each month.
UTILITIES	Utilities include heat, electricity, water, and Internet. Enter the amount that Mitch pays for Utilities each month.
TRANSPORTATION	Under Transportation enter what it costs Mitch for transportation.
FOOD	Consider how much per day and multiply by 30. A good estimate is \$240 - \$450/month.
FURNITURE	Using the furniture price list on page 8 of the portfolio, determine what Mitch will spend in total on furniture. Then divide that number by 12 to determine the monthly Furniture expense.
ENTERTAINMENT	How much per month should Mitch spend on Entertainment ? Enter that amount on the budget.
SMARTPHONE	Smartphone plans and fees vary, but Mitch has a good plan at a reasonable rate. Enter \$50.
CLOTHING	What should Mitch spend on Clothing and shoes each month? Enter that amount.
MISCELLANEOUS	Miscellaneous items can include dishwasher soap, print cartridges, cleaning supplies, laundry soap, money to pay for using the washer and dryer, and other spending money not associated to any other category. Enter what you think would be enough for miscellaneous items.
TOTAL MONTHLY LIVING EXPENSES	

JR. HIGH MATH & SCIENCE

Students designed and carried out their own experiment to study heat conductivity through conduction. Mia and Claire are waiting for the butter to melt as heat moves up the piece of iron. >>>>



^^^^ Grade 9s have been designing cat furniture as part of their math unit on measuring composite area. Adam is taking measurements of real cat furniture so he can design his own.



^^^^ As part of their cells unit, Jeannie and Cadence are cutting up the leaf of an ivy to study it under a microscope.

KINDERGARTEN MITTEN FUN!

The month of January brought with it learning about New Year's, different winter animals and reading The Mitten. We learned the difference between books that are fiction vs. non-fiction and figured out that this book was definitely fiction. As one of the students exclaimed, "There is NO WAY a bear would be able to fit inside a mitten!" As a class we voted on what our favourite animal was from the book and



made a bar graph to demonstrate the data. Afterwards, we continued some math activities using our own mittens. We measured our mittens using a variety of materials such as buttons, paper clips, blocks and marshmallows. It proved to be a very fun and engaging way to learn how to measure using non-standard materials! The last activity we did was discussed the difference between mittens and gloves. We created another bar graph to show which one each of us like to wear and in the end, mittens won! The Kindergarteners had a lot of fun during our Mitten Unit this month!

HAPPY CAMPER BOOK FAIR!



'Smore fun with books!

BAND - OFF TO THE SYMPHONY!



This month, Indus Band students have been exploring how music is used in film to trigger emotional reactions. Our studies took us to Jack Singer Concert Hall this past Friday evening, where students experienced the music of Dream Works Animation presented live by the Calgary Philharmonic. It was a *moving* experience!