



School District No. 51 (Boundary)

Regular Meeting of the Board of Education

June 13, 2017 at 6:00 p.m.

School Board Office

Agenda

Call to Order

Opening Acknowledgement

"We would like to give recognition and honour to all the Aboriginal peoples and ancestors, including the Interior Salish peoples, who lived here and cared for these lands."

Presentations/Delegations

- Catering Class Grand Forks Secondary – Lluba Lyons and students presenting
- AcelT-Grand Forks Secondary – Helen Argue with students Chantelle Howard and Curtis Sartor presenting
- Pines Director, Ryley Heppner presenting

10 Minute Comment Period

Adoption of Agenda

Adoption of Minutes

May 9, 2017 – Regular Board Meeting Minutes

Report on In-Camera Meeting from May 9, 2017

The Board discussed personnel issues, properties/facilities, and business items. Board Chair Rezansoff and Superintendent Kevin Argue declared a non-pecuniary conflict of interest for a portion of the May 9th, 2017 Board of Education Closed meeting.

Correspondence

Active Communities Grant (Attachment)

Business Items

1. Superintendent's Report

- May 2017 Report (Attachment)
- School Growth Plan Goals
- School Calendar Amendment (Attachment)
- BAA Courses (Attachment)

2. Secretary-Treasurer's Report

- May 2017 Report (Attachment)
- Enrolment Report (Attachment)
- Expenditure Report (Attachment)
- Out of Province Fees (Briefing Note)

MOTION: "That the annual fee for out of province students be set at _____ for the 2017/2018 school year."

3. Director of Learning Report

- May 2017 Report (Attachment)

4. 5 Year Capital Plan (Attachments)

MOTION: “That the Board of Education approve the 5-year 2018/19 Capital Plan as presented.”

5. Evolution of Learning – Let’s Celebrate Our Successes

6. Talking Break

What education experiences do you feel had the biggest impact for students this year?

7. Financial Framework for Supporting Student Success

- Budget will be passed on June 20, 2017 at 4:00 p.m. at the School Board Office

8. Committee Reports

- AbEd Committee
- Finance Committee
- Operations Committee
- Policy Committee

9. Trustee Reports

- | | |
|---------------------|----------------------------------|
| • Rec Commission | * BCSTA/BCPSEA Advisory |
| • District Literacy | * BISM |
| • PAC Highlights | * BCSTA Kootenay Boundary Branch |

10. Around the Boundary May 2017

Trustee Activities and Upcoming Events

- June 17, 2017 at 4:30 p.m., GFSS Graduation –Grand Forks Arena
- June 20, 2017 at 4:00 p.m. - tentative Regular Budget Meeting
- June 23, 2017 at 4:00 p.m. - Walker Development Centre Graduation –. at Walker Development
- June 29, 2016 – Last day of regular classes
- July 5 – 8, 2017 – CSBA Congress & National Trustee Gathering on Aboriginal Education
- September 16-18, 2016 – Kootenay Boundary Branch meeting at St. Eugene’s Mission

Future Agenda Items

Next Board Meeting: September 12, 2017
School Board Office

Adjournment

QUESTION PERIOD

The purpose of this portion of the Agenda is to provide the opportunity to members of the public, press, radio and staff to ask questions or request clarification on items placed on this evening's Regular Meeting Agenda. Questions which do not arise from the Agenda may certainly be addressed. Points may be raised before or after the meeting days by approaching the Executive Officers or Chairperson. If such queries require formal address by the Board, they can be submitted, in writing, and considered for placement on the Agenda for subsequent meetings. Such inquiries are welcomed as many routine questions can be handled by the staff.

School District No. 51 (Boundary)

Minutes of a Regular Meeting of the Board of Education of School District No. 51 (Boundary)
held Tuesday, May 9, 2017 at the School Board Office

The Chairperson called the meeting to order at 6:02 p.m.

Present:	Mrs. T. Rezansoff	Chairperson
	Mrs. C. Strukoff	Vice Chair
	Mr. M. Danyluk	Trustee
	Mrs. K. Jepsen	Trustee
	Mr. D. Reid	Trustee
	Mrs. C. Riddle	Trustee
	Mrs. R. Zitko	Trustee
	Mr. K. Argue	Superintendent
	Mrs. J. Hanlon	Secretary-Treasurer
	Mr. D. Lacey	Director of Learning

Absent: Nil

Acknowledgement of the Aboriginal peoples and ancestors.

Presentations/Delegations

- Students from Perley Elementary grade 6/7's shared about their learning in-depth experiences.
- Grand Forks Secondary students, teachers and a chaperone shared about their experiences during their trip to Ecuador.

Adoption of Agenda

MOVED Reid
2ND Strukoff

"That the Agenda for May 9, 2017 be adopted as presented."

CARRIED

Adoption of Minutes

MOVED Strukoff
2ND Riddle

"That the April 11, 2017 Regular Board Meeting minutes be adopted as circulated."

CARRIED

Report on In-Camera Meeting from April 11, 2017

The Board discussed personnel issues, properties/facilities, business items, as well as the implementation of the Memorandum of Agreement. Board Chair Rezansoff declared a non-pecuniary conflict of interest for a portion of the April 11, 2017 Board of Education Closed meeting.

Correspondence

Nil

Business Items

1. Superintendent's Report

The Superintendent reported on meetings with Principals, the Co-Learners Group as well as meetings in and out of the District. The Superintendent reported on field trip requests to date.

MOVED Zitko
2ND Danyluk

["That the Board approve the School fees for 2017-2018 as presented."](#)

CARRIED

The school calendar will need to be amended to include a curriculum day. The date set will be September 28, 2017.

2. Secretary-Treasurer's Report

The Secretary-Treasurer presented the Operations/Transportation report for April 2017 and reported on the enrolment numbers and expenditures to date.

3. Capital Plan 2017/2018

MOVED Riddle
2ND Strukoff

["That the Board of Education unanimously agrees to give the Capital Project Bylaw No. 2017/18-CPSD51-01 all three readings at this meeting of May 9, 2017."](#)

CARRIED

MOVED Strukoff
2ND Riddle

[A BYLAW by the Board of Education of School District No. 51 \(Boundary\) \(hereinafter called the "Board"\) to adopt a Capital Plan of the Board pursuant to Sections 143 \(2\) and 144 \(1\) of the *School Act*, R.S.B.C. 1996, c. 412 as amended from time to time \(called the "Act"\).](#)

[WHEREAS in accordance with provisions of the *School Act* the Minister of Education \(hereinafter called the "Minister"\) has approved the Board's Capital Plan.](#)

[NOW THEREFORE the Board agrees to the following:](#)

[\(a\) authorizes the Secretary-Treasurer to execute project agreements related to the](#)

- expenditures contemplated by the Capital Plan;
- (b) upon approval to proceed, commence the Project and proceed diligently and use its best efforts to complete each Project substantially as directed by the Minister;
- (c) observe and comply with any rule, policy or regulation of the Minister as may be applicable to the Board or the Project(s); and,
- (d) maintain proper books of account, and other information and documents with respect to the affairs of the Project(s), as may be prescribed by the Minister.

NOW THEREFORE the Board enacts as follows:

1. The Capital Bylaw of the Board approved by the Minister that specifies the supported projects in the Ministry's letter of March 17, 2017 from the 2017/18 Capital Plan is hereby adopted.
2. This Bylaw may be cited as School District No.51 (Boundary) Capital Bylaw No.2017/18-CPSD51-01.

MOVED
2ND

Reid
Jepsen

"That the Board of School District No. 51 (Boundary) approve the Capital Project Bylaw No. 2017/18-CPSD51-01 as read a first, second and third time, passed and adopted the 9th day of May 2017."

CARRIED

4. Director of Learning

The Director of Learning reported on April school visitations and meetings attended.

5. Financial Framework for Supporting Student Success

The Board reviewed the budget considerations and consultation items.

6. Staff Retirement Recognition

The District Retirement party was discussed. It was decided that instead of a retirement party, Board or Senior Management will acknowledge retirees at a school staff function.

7. Talking Break

There was discussion on the consultation feedback.

8. Committee Reports

AbEd Committee - Director of Learning Lacey reported that the Grand Forks Secondary and Boundary Central Secondary Schools involvement in the Enhancement Agreement will take place in the fall. He will also look at the MDI and EDI results for Aboriginal students.

The Policy Committee put forward the following policies for adoption:

MOVED Strukoff
2ND Riddle

[“That the Board approve and adopt the policies: Video Surveillance – School Buses and Safety of Students and Staff – Maintenance of Order School Act Section 177.”](#)

CARRIED

9. Trustee Reports

- BISM - Trustee Zitko reported out on the BISM meeting and the Director of Learning reported on the ICM training.
- BCSTA Kootenay Boundary Branch- Trustee Strukoff asked for input into the circulated survey.
- PAC Highlights- Trustee Reid reported on the Perley Pac Meeting and Trustee Strukoff reported on the Christina Lake Outdoor Classroom Opening scheduled for May 25 at 4:00 p.m.
- BCSTA 113th AGM - Trustees in attendance discussed the AGM and reported on the impact Board Chair Rezansoff had during her role as BCSTA President.

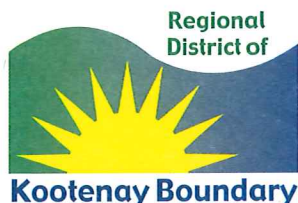
10. Around the Boundary

Presented Around the Boundary for April 2017.

Meeting adjourned at 8:21 p.m.

Chairperson

Secretary-Treasurer



June 8, 2017

Chair and Trustees, School District No. 51 (Boundary)
1021 Central Avenue
Box 640
Grand Forks, BC
VOH 1H0

Dear Chair Rezansoff and Trustees, School District No. 51 (Boundary),

Re: Request for Support and Collaboration in Pursuit of Active Communities Grant Funding for the Big White Community

The Regional District of Kootenay Boundary (RDKB) has been approached by Big White Community Development Association (BWCD) to apply for an Active Communities Grant. Active Communities Grant funding is being made available through the Ministry of Health to communities in the Island and Interior Health Regions.

An application for an Active Communities Grant is intended to be presented to the RDKB's Board of Directors for approval in time for the program's June 30th grant deadline.

In general terms, this grant supports a multi-sectoral approach to solving population level projects that address the underlying root causes of physical inactivity. More details about the grant can be found below.

Applicants must demonstrate existing cross-sector relationships for improving physical activity. Some existing projects at Big White that support the community's eligibility for this grant include:

- A feasibility study currently underway to build a new community centre at Big White adjacent to the Big White Community School;
- A gas tax application is currently being considered by RDKB to build a year-round trail to the Big White Community School, to improve safety and support active transportation;
- Big White Community members are involved through Trails to the Boundary Society, (funded by taxation), in maintaining and promoting the rail trail as well as developing a connector loop to Big White; and
- Funding from taxation is provided to BWCD to support that organization and their efforts in applying of other grants for community development

We're approaching both the School District and IHA with a request for letters of support for this grant application. The following is an example of some suggested wording that may be included in a letter of support from School District No. 51:



“School District No. 51 (Boundary) supports the Regional District of Kootenay Boundary application for an Active Communities Grant. School District 51 (Boundary) is interested in working in partnership with the RDKB to explore opportunities to collaborate on addressing community level issues related to physical activity.”

The Need

There are a number of factors associated with the isolated and seasonal nature of the Big White community that demonstrate a need for collaborative, cross-sectoral work to improve opportunities for physical activity. These include:

- A large component of the population is staff and their families, who often are not property owners, and who often face financial barriers.
- The community and the RDKB recognize a need for publicly owned facilities.
- Opportunities for physical activity are much reduced outside of ski season.
- The community is isolated from services available to most communities in BC.
- There is little for youth to do outside of school.
- There are 14 families with children under 2 years old.
- There's no community space available in the Big White community.
- The community is working to increase its year-round population and to provide services for this segment.

Active Communities Grant

Information regarding the Active Communities Grant program can be found here:

<http://planh.ca/active-communities-grants-local-governments-island-health-and-interior-health-regions>

The objectives of the program are as follows:

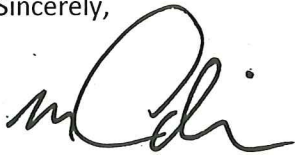
1. **ACT FOR IMPACT:** Take upstream action to work towards measureable impact on physical activity and improve opportunities for physical activity specifically through one or more of the following:
 - a. **Improving access and/or inclusion for targeted populations or communities** such as rural and remote communities, low-income families, children and youth, newcomers, older adults and Aboriginal and First Nations peoples.
 - b. **Healthy community design** (e.g. integrating physical activity into the planning, engagement, and research of community design such as public parks, transportation networks, and public spaces)
 - c. **Healthy public policy** (e.g. integrating physical activity goals and strategies into an OCP, neighbourhood planning, or program)
2. **STRENGTHEN COLLABORATIVE LEADERSHIP ACROSS SECTORS:** Strengthen multi-sector collaborations and shared leadership to increase physical activity, including partnerships

between local governments, health authorities and other sectors to develop comprehensive strategies, integrated approaches and shared goals.

3. **INNOVATE, EXPERIMENT & LEARN:** Go beyond “business as usual” to work and take action together in new ways that address the underlying root causes of physical inactivity with a specific target population, community or region. Co-create active community ideas and solutions, test them out, evaluate, identify and share data and lessons learned.

Thank-you for taking the time to consider this request for support and collaboration. On behalf of the Big White community and the RDKB, we look forward to working with the Board and staff of School District No. 51 on improving community opportunities for physical activity at Big White. Please feel free to contact me if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'M. Andison', with a stylized flourish at the end.

Mark Andison, MCIP, RPP
General Manager, Operations / DCAO

Kevin Argue- Superintendent of Schools

Month-End Report April 2017



School Visitations

- **Perley Elementary School**
 - I was able to visit classrooms and meet with the Principal. I also participated in the District Elementary Track Meet
- **Grand Forks Secondary School**
 - I met with the Principal and Vice Principal and visited classrooms. We had Principal Stewart tour trustees through the newly renovated Grad Lounge and Bistro
- **Hutton Elementary School**
 - Met the Principal and visited some classes
- **Christina Lake Elementary School/ Big White Community School**
 - I attended the Outdoor Classroom Opening and Band performance
- **West Boundary Elementary and Boundary Central Secondary School**
 - I visited the school and met with Vice Principal Lautard and visited classes

District Planning

- All schools have submitted their Spirals of Inquiry Growth Plans to the Board of Education after strengthening conversations with Judy Halbert and Linda Kaser
- The SD51 Framework for Enhancing Student Learning District Plan has been posted on the District website and sent into the Ministry of Education
- All School Learning Plans have been shared with Students, Staff and the Community
- District Plans have been shared with the Community and Ministry of Education

SD51 Learns

- ***Inquiry and Explorations – Co-learning Cohort!***
 - Leyton Schnellart / Mike Phelan – 15 Staff members
- ***Building Inclusive Classrooms – Shelley Moore***
 - 16 staff members
- ***Numeracy Teaching and Learning – Carole Fullerton***
 - All Primary and All Intermediate teachers
- ***PVP/SBO Staff Professional Learning – Helen Timperley***
 - All Principals and Vice Principals, Director of Learning, Superintendent and Secretary Treasurer
- ***School Staff Growth Plan Professional Learning***
 - All Schools

Meetings out of the District

Network of Inquiry and Innovation – Richmond - May 11/12/13

Meetings in District

- Carole Fullerton- May 1 and 2
- Conference call with OLRC – May 1
- Board Agenda mtg. – May 2
- Meeting with BDTA President – May 3
- Meeting with CLES Principal -- May 8
- Meeting with SD51 Joint Educ. Committee re NID and August days -- May 8
- Board of Education mtg. -- May 9
- District Leadership Team GoTo mtg. – May 10
- Health Promoting Schools Coordinator Teleconference – May 11
- Working Session with the SD51 Board of Education – May 16
- Meeting with BDTA President – May 16
- Shelley Moore Inclusive classrooms – May 17
- August Day Committee mtg. – May 17
- Board Agenda mtg. – May 18
- Budget Mtg. #3 - Board of Education and SBO Staff mtg. -- May 18
- Tech Department – SBO mtg. – May 18
- Judy Halbert /Linda Kaser call re plans for 17/18 – May 18
- Call with Freshgrade re 17/18 – May 18
- Meeting with Hutten student and parent – May 23
- Call with Learning First re our Spirals of Inquiry work – May 24
- CLES Outdoor Classroom and Band Concert – May 25
- SD51 District Elementary Track Meet – Perley – May 26
- August Days planning mtg. – May 29
- Regional Superintendent call – May 31

School District No. 51 (Boundary)
SCHOOL CALENDAR- Amendment
2017 - 2018
Boundary Central Secondary

Month	Day	
August	28	District Professional Development Day
September	5	School Opening Day (Dismissal at 11:30 a.m.) (School in session Tuesday to Friday this week)
	8	Friday - School in Session
September	28	Curriculum Day (School in session 3 days this week Monday to Wednesday).
October	9	Thanksgiving Day (School in session Tuesday to Friday this week)
	13	Friday - School in Session
	20	Provincial Professional Development Day TBC
December	21	School Closes for Winter Vacation
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	25	Friday - School in Session
June	28	Last Day for Students (Dismissal at 11:30 a.m.)
	29	Administrative Day

Days in Session	163
Number of Days of Instruction	155
Number of Non-Instructional Days	6
Number of Administrative Days	1
Total Instructional Time	342 min/day (Elem) 375 min/day (Sec)

School is closed on Friday unless otherwise noted.

Parents and staff have been consulted on the **amendment** to the School Calendar.

Principal's Signature

May 29, 2017
Date

Grand Forks Secondary
School District No. 51 (Boundary)
SCHOOL CALENDAR- Amendment
2017 - 2018
Grand Forks Secondary

Month	Day	
August	28	District Professional Development Day
September	5	School Opening Day (Dismissal at 11:30 a.m.) (School in session Tuesday to Friday this week)
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Principal's Signature

May 30/17
Date

School District No. 51 (Boundary)
SCHOOL CALENDAR- Amendment
2017 - 2018

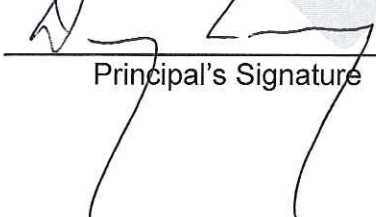
Walker Development Centre

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August	28	District Professional Development Day
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 Principal's Signature

June 8/17

 Date

J.A. Hutton Elementary
School District No. 51 (Boundary)
SCHOOL CALENDAR- Amendment
2017 - 2018

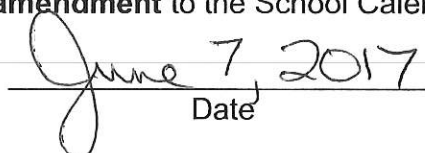
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Principal's Signature


Date

Dr. D.A. Perley
School District No. 51 (Boundary)
SCHOOL CALENDAR- Amendment
2017 - 2018

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Parents and staff have been consulted on the **amendment** to the School Calendar.



 Principal's Signature

June 7 2017

 Date

**School District No. 51 (Boundary)
SCHOOL CALENDAR- Amendment**

2017 - 2018

Christina Lake Elementary School



Month	Day	
August	28	District Professional Development Day
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Principal's Signature

Date

May 10/2017

School District No. 51 (Boundary)
SCHOOL CALENDAR- Amendment
2017 - 2018
Big White Community School



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 Principal's Signature

May 10 / 2017

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WBES/BES

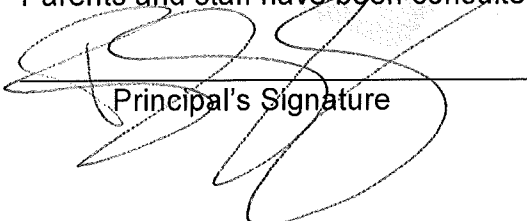
School District No. 51 (Boundary) **SCHOOL CALENDAR- Amendment** **2017 - 2018**

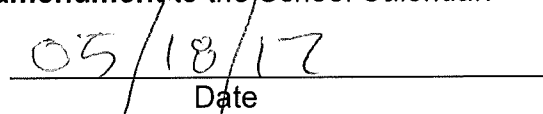
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April	3	School Re-Opens after Spring Vacation after Easter Monday (School in session Tuesday to Friday this week)
April	6	Friday - School in Session
May	21	Victoria Day (School in session Tuesday to Friday this week)
	25	Friday - School in Session
June	28	Last Day for Students (Dismissal at 11:30 a.m.)
	29	Administrative Day

Days in Session	163
Number of Days of Instruction	155
Number of Non-Instructional Days	6
Number of Administrative Days	1
Total Instructional Time	342 min/day (Elem) 375 min/day (Sec)

School is closed on Friday unless otherwise noted.

Parents and staff have been consulted on the amendment to the School Calendar.


Principal's Signature


Date

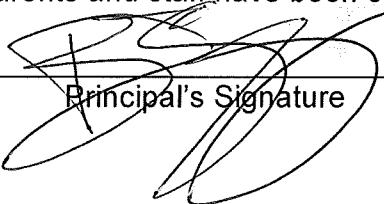
MES/GES
School District No. 51 (Boundary)
SCHOOL CALENDAR- Amendment
2017 - 2018

Month	Day	
August	28	District Professional Development Day
September	5	School Opening Day (Dismissal at 11:30 a.m.) (School in session Tuesday to Friday this week)
	8	Friday - School in Session
September	28	Curriculum Day (School in session 3 days this week Monday to Wednesday).
October	9	Thanksgiving Day (School in session Tuesday to Friday this week)
	13	Friday - School in Session
	20	Provincial Professional Development Day TBC
December	21	School Closes for Winter Vacation
January	8	School Re-Opens after Winter Vacation
February	12	Family Day (School in session Tuesday to Friday this week)
	16	Friday - School in Session
March	15	School Closes for Spring Vacation (Last Day of classes)
April	3	School Re-Opens after Spring Vacation after Easter Monday (School in session Tuesday to Friday this week)
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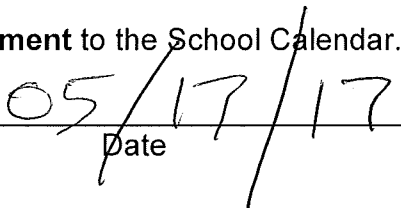
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Parents and staff have been consulted on the **amendment** to the School Calendar.



 Principal's Signature



 Date



Astronomy 11

School District/Independent School Authority Name	Boundary
School District/Independent School Authority Number	51
Developed by	Cam Spelay
Date Developed	March 14, 2017
School Name	Boundary Central Secondary School
Principal's Name	Bo Macfarlane
Superintendent Approval Date (for School Districts only)	
Superintendent Signature (for School Districts only)	
Board/Authority Approval Date	
Board/Authority Chair Signature	
Course Name	Astronomy 11
Grade Level of Course	11
Number of Course Credits	4
Number of Hours of Instruction	110
Prerequisite(s)	Science 10
Special Training, Facilities or Equipment Required	Telescope
Course Synopsis: Astronomy 11 is an introductory course for students interested in the larger world. Students will develop a more complete understanding of how astronomy affects our daily lives, from navigation to tides and seasons. They will develop skills for identifying objects in the night sky and using	



a telescope. Working from the inside out, students will gain an appreciation for the size and scale of the solar system, the Milky Way, and the universe. They will examine the dynamics inside stellar fusion and the Big Bang Theory. Students will develop analytic skills to judge the realism of science fiction in various media.

Rationale

This is a course that allows students to pursue an interest in astronomy that has no major outlet past Science 10. This course picks up on the introductory concepts introduced in Science 10, such as the formation of planets and the evolution of stars. Students will also have an opportunity to explore some of the cutting edge research that is broadening our understanding of the universe, how it came about, and how it will evolve.

Organizational Structure: (units, topics, modules):

Unit/Topic	Title	Time
Unit 1	The History of Astronomy	10
Unit 2	Telescopes and Observatories	10
Unit 3	The Earth and Moon	20
Unit 4	The Solar System	15
Unit 5	Stellar Evolution	15
Unit 6	Cosmology	15
Unit 7	Space Travel and SETI	15
Unit 8	Science Fiction	10
	Total Hours	110



Unit/Topic/Module Descriptions

(A short description and the curriculum organizers and learning outcomes of each unit/topic/module.)

Unit 1: The History of Astronomy – 10 hours

It is expected that students will:

- Describe the mythology of ancient peoples, including First Nations Peoples of British Columbia, and how they relate to astronomy
- Research and list specific contributions by Greek astronomers
- Explain how astronomy survived the Middle Ages
- Research and list achievements of important astronomers such as Brahe, Copernicus, Galileo
- Express an understanding of Kepler's Laws and Newton's Laws to explain the motion of celestial bodies

Unit 2: Telescopes and Observatories – 10 hours

It is expected that students will:

- Be familiar with the common types of telescopes
- Locate visible light on the electromagnetic spectrum
- Compare redshift and blueshift of stars
- Explain why some telescopes must be located in space
- Define parallax
- Calculate distance using parallax
- Define celestial sphere
- Define right ascension and declination
- Use spherical geometry to locate objects in the sky
- Build a telescope
- Describe an ideal location for an observatory

Unit 3: The Earth and Moon – 20 hours

It is expected that students will:

- Describe the formation of the Earth
- Describe the protection provided by the Earth's atmosphere and magnetosphere
- Define satellite
- Discuss effects of the Earth's tilt
- Describe the three principal theories for the formation of the Moon.



- Compare the layers of the Earth and the Moon
- Describe the Moon's orbit and spin
- List the Moon's phases
- Explain the difference between a solar and lunar eclipse

Unit 4: The Solar System – 15 hours

It is expected that students will:

- Define solar system
- Describe the formation of the sun and planets
- Compare the planets
- Do a presentation on the planet of their choice
- Compare and contrast comet, asteroid, meteor, meteorite, meteoroid
- Discuss the formation of craters
- Compare the asteroid belt, Kuiper belt, and Oort cloud
- Use the idea of Kepler's laws to explain planetary orbits

Unit 5: Stellar Evolution - 15 hours

It is expected that students will:

- Define proton, neutron, and electron
- Describe the process of fusion
- Use a Hertzsprung-Russell graph
- Compare the Sun with other nearby stars
- Describe the lifetime of a typical star
- Compare white dwarf, red dwarf, red giant, pulsar, and neutron stars
- Predict the final state of a star based on its mass
- Describe the conditions leading to a supernova
- Compare emission and absorption nebulae

Unit 6: Cosmology – 15 hours

It is expected that students will:

- Compare methods for determining stellar distance and magnitude
- Define black hole, galaxy, quasar, and big bang
- Classify galaxies
- Describe the structure of the Milky Way
- Describe the early evolution of the Universe



- Use current research and theories to predict the future of the Universe
- Explore current issues in cosmology such as GUT, strings, dark matter and dark energy

Unit 7: Space Travel and SETI – 15 hours

It is expected that students will:

- Describe the cold war and the space race
- Analyze past space missions and learn from their successes and failures
- Plan a space mission to a distant planet or star
- Describe ongoing and planned space missions
- Discuss the chances of finding ET life in our solar system
- Describe current practices for searching for ET life
- Make an alien based on its environment

Unit 8: Science Fiction – 10 hours

It is expected that students will:

- Analyze science fiction via novels, television, and movies
- Describe how the authors address the scientific challenges of space travel, colonization, and alien life
- Create their own science fiction future world

Instructional Component

Direct Instruction

Indirect Instruction

Peer and Partner Instruction

Interactive Instruction

Experiential Learning

Modeling

Brainstorming



Group Work

Independent Study

Self Evaluation

Hopefully field trips and or guest speakers

Assessment Component

Assignments and Labs:	50%
Tests:	15%
Critical Thought:	5%
Social and Personal Responsibility:	5%
Communication:	5%
Final Assessment:	20%

Learning Resource

The principal resource will be the internet, where the students will find the sites that provide the appropriate information. As such, they will need some instruction on “reliable referencing”. Yet, a fair chunk of learning will arise from hands on projects and using the telescopes. Some typical sites are:

<http://www.astronomy.com/>

<https://www.nasa.gov/>

<http://astronomy.swin.edu.au/>

<https://en.wikipedia.org/wiki/Astronomy>

<http://www.space.com/science-astronomy>

<http://www.space.com/16014-astronomy.html>



Additional Information

Although this proposal would suggest a stand and deliver type program, nothing could be further from the truth. Most of the learning will be interactive, with a telescope and with the internet. My role will be to assist students, especially with time management. There will be a lot of paper work, but students will be able to demonstrate competency in whatever way we agree upon. Astronomy 11 will truly become an excellent elective in the new curriculum.



Secretary-Treasurer's Report

J. Hanlon, Secretary-Treasurer

May 2017

Fiscal Year End and Audit

June 30th is the School District fiscal year end. That is the snapshot date for our financial statements. On June 27 and 28 the auditors will come in and do a preliminary audit. They will then return to the District for five days from July 24—28. They will present the financial statements to the Board in September.

Staffing

We continued to work on staffing in May. We managed to post and fill positions earlier this year. We are finding it difficult to find applicants in the Home Economics and Woodwork specialty positions.

We have delayed passing our Budget bylaw until June 20 at 4:00 p.m., as we do not yet know the amount we are approved for through the Classroom Enhancement Fund. The funding is notional, meaning that if in the fall, we do not see the students in the classes that are close to being in or out of compliance, we could lose funding. We have hired staff based on being in compliance, therefore if we are not, we will need to take those salaries and benefits from our operating budget. This could mean that the Board may not be able to allocate as much monies to budget considerations raised during our consultation process. However, if our enrolment increases in the fall, we will have more monies than budgeted. Our budget is based on September 30th enrolment numbers.

We will hold the post and fill for Education Assistants on June 9 and have already added extra EA time as we know that students are best served when they are supported as soon as school starts. However, as needs arise in the fall we will look at each situation and see if more resources need to be added. If we are too liberal we will need to make other savings to correct.

BCASBO AGM

Lynn Heriot, Alex Campbell and myself attended the BCASBO AGM in May. The focus was on Building the Workplace Culture of Tomorrow. Feature speakers included Stephen Sedletzky, who supports leaders as they create environments where people feel inspired to go to work, safe and valued. Jennifer Moss was another presenter who is an expert on happiness and emotional intelligence in the workplace. Other sessions I attended were on risk and making sure that we have plans for security with our technology and disaster recovery.

Capital Plans and Annual Facilities Grant

I worked this month on getting our approved 2017/2018 projects awarded as well as the AFG projects that we discussed last meeting. At the June 13th Board meeting I will be bringing forward for approval the 2018/2019 Capital Plan application. We will continue to leave Christina Lake Elementary replacement as a placeholder for monies for a new or replacement school. The ministry did stress that all replacements and new school projects need to be funded 50% by the Ministry and 50% by the District. We have not been allocating monies for this purpose, and may want to consider a plan that will address this if we want a new school in the District in even 10 – 15 years.

We submitted for School Enhancement Projects for next year. We are applying for the completion of all the washrooms at Perley and replacement of doors and windows at Hutton Elementary.

A future project that we will potentially be applying for is redoing science labs at both secondary schools. We will consult with teachers regarding the space available and some of the changes they require to meet the needs of their students.

West Boundary's Building Envelope is still on the Plan, and we will be applying for one new bus to replace one of the older ones we currently have.

School District No. 51 (Boundary)
1701 Enrolment
as of May 31, 2017
Head Count

	May 31, 2017	September 30, 2016	Increase (Decrease)
Secondary			
BCSS	130	125	5.0000
GFSS	343	356	(13.0000)
Elementary			
BES	14	13	1.0000
Big White	37	41	(4.0000)
CLES	77	76	1.0000
GWD	35	32	3.0000
Hutton	271	264	7.0000
MES	36	39	(3.0000)
Perley	234	226	8.0000
WBES	88	88	-
Alternate School			
Walker	40	33	7.0000
Total	1305.0000	1293.0000	12.0000

Expenditure Report

Object	Title	May	YTD	ENCUMBERED	BUDGET	Remaining	%
10	Principal & Vice Principal Sal	94,205.63	1,012,910.13		1,107,135	94,225	9
11	Teacher Salaries	598,342.00	5,340,085.07		5,950,311	610,226	10
12	Non-Teachers Salaries	277,205.12	2,650,545.43		3,175,899	525,354	17
13	Management Salaries	36,177.76	391,359.38		435,703	44,344	10
14	Substitute Salaries	61,940.88	347,613.80		482,196	134,582	28
19	Trustees Indemnity	6,590.87	72,269.77		78,817	6,547	8
21	Statutory Benefits	77,197.16	553,261.36		610,068	56,807	9
22	Pension Plans	116,950.12	1,116,316.44		1,294,028	177,712	14
23	Medical And Life Benefits	35,975.96	570,169.71		647,456	77,286	12
31	Services	34,829.57	351,206.46	35,335.01	602,083	215,542	36
33	Student Transportation	23,663.33	129,034.31		110,733	-18,301	-17
34	Training & Travel	31,850.19	229,378.85		230,373	994	
36	Rentals & Leases	2,794.00	30,734.00		33,528	2,794	8
37	Dues And Fees		54,149.38		66,190	12,041	18
39	Insurance		49,979.60		66,200	16,220	25
51	Supplies	39,260.21	586,051.20	41,009.61	1,071,308	444,247	32
54	Electricity	45,723.58	285,917.35		310,300	24,383	8
55	Heat	8,495.26	110,629.23		120,010	9,381	8
56	Water And Sewage	1,908.30	12,478.85		22,400	9,921	44
57	Garbage And Recycling	1,507.42	15,204.37		14,850	-354	-2
Totals		\$ 1,494,617.36	\$ 13,909,294.69	\$ 76,344.62	\$ 16,429,588.00	\$ 2,443,951.00	15



SD 51 (Boundary)

Briefing Note

Date: June 8, 2017

Topic: Out of Province School Fees

The Board policy for Out of Province Students was revised in February 2011 to have the yearly tuition fee reviewed annually. The reasoning for the recommended increase at that time was to ensure we are charging a rate comparable to other Districts.

Currently the Board has a rate of \$12,000 per student. Based on 2016/2017 revenue the amount per student FTE collected is \$12,146.

Based on 2017/2018 *projected* revenue, the amount per student FTE collected is \$12,174.

The Board may continue with the \$12,000 per FTE, raise it to \$12,150 per FTE, or other amount.



May 2017 Report

Director of Learning

Doug Lacey

Staff Learning and School Visits

- May 1st – Carole Fullerton “Multiplicative Thinking” session with District Intermediate Teachers
- May 2nd – Carole Fullerton “Mathematical Thinking” session with District Primary Teachers
- May 12th – Integrated Case Management Training for District Sped Teachers and Child and Youth Care Workers and community service providers
- May 25th – Attended CLES Outdoor Classroom Ribbon Cutting Ceremony
- May 26th – Attended GFSS Aboriginal Grad Recognition Luncheon hosted by BANAC and the Boundary Metis Association
- May 29th – Participated in August Days Planning Committee meeting
- May 31st - Attended BCSS Aboriginal Grad Recognition Luncheon hosted by BANAC and the Boundary Metis Association
- May 31st – Participated in meeting with the District teacher who attended the Kootenay-Boundary Environmental Education Network clinic in Nipika regarding future planning

Provincial/Regional/Community Meetings

- May 3rd to 5th – Attended Kootenay-Boundary BCSSA Spring Chapter Council in Rossland, B.C.
- May 8th - Chaired monthly meeting of the Boundary Integrated Services Model (BISM)
- May 9th - April 11th - Participated regular monthly meeting of the Board of Education
- May 16th – Participated in Boundary Interagency Group Meeting
- May 16th – Participated in regular meeting of the Boundary Early Years Advisory Council
- May 16th – Participated in Board of Education Trustee Budget planning meeting
- May 17th – Participated in planning meeting with Technology Department
- May 29th – Participated in Boundary Community Literacy Meeting



SD 51 (Boundary)

Briefing Note

Date: June 8, 2017

Topic: 5 Year Capital Plan 2018/2019

The process for the 5-Year Capital Plan is now being submitted earlier. The plan includes seismic upgrades, expansion projects, replacement projects, building envelopes, school enhancement projects, carbon neutral and school bus requests. Once the projects are approved, we will need to pass a bylaw in March or April of 2018.

The plan for this year is due on June 30, 2017. The plan is generated on a spreadsheet requiring a large amount of information, which I am continuing to input. I am working with our Ministry contact to ensure that they have all the necessary documentation. I am attaching a summary of the projects we will be submitting.

We will continue to keep Christina Lake Elementary replacement as a place marker for the District. We are required to fund up to 50% of the cost of a replacement project. I am not sure how a small district such as ours would be able to make such a contribution. We may need to look at putting a portion of surplus to Local Capital to be able to provide some funding toward a replacement project in the future.

We will submit plans for multiple schools to make the \$100,000 threshold for the School Enhancement Program. These projects are for the 2018/2019 school year only.

We are submitting for plumbing line upgrades at Beaverdell, Midway and Christina Lake Elementary Schools, as well a septic replacement at Beaverdell, as a package.

They will be approving flooring projects for only one more year. Based on this information we are submitting sanding of our gym floors and repainting of the lines at Christina Lake, Perley, Hutton, Greenwood, and West Boundary Elementary Schools, as well as Boundary Central Secondary.

The third request is to complete the washroom upgrades at Perley and the fourth is the replacement of the doors and windows at Hutton.

The amounts we are requesting need to be as accurate as possible. Once approved, there are no extra monies and any cost over runs will have to come from AFG.

We will need to use the coming months and the fall to prepare requests for the 2019/2020 school year including renovating the science labs at Grand Forks and Boundary Central Secondary Schools. We will ask that the science teachers for their input.

2018/2019 FiveYear Capital Plan

	2018	2019	2020	2021	2022
Replacement Projects					
Christina Lake Elementary					\$ 4,838,750
Building Envelope					
West Boundary Elementary School				\$ 966,000	
Carbon Neutral Capital Program					
Door and Window Replacement at Hutton	\$ 500,000				
School Enhancement					
Plumbing Piping Replacement at CLES. BES, MES This includes septic system replacement at BES	\$ 138,000				
Refinish Gym Floors at CLES,Perley,Hutton,GES,BCSS,WBES	\$ 180,000				
Upgrade Remaining Washrooms at Perley	\$ 200,000				
Doors and Window Replacement at Hutton	\$ 500,000				
Bus Replacements	1 Bus				