



Whitemouth School

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February 26, 2024

Board of Trustees
Sunrise School Division
344 Second Street North
Beausejour, MB ROE OCO

Dear trustees:

We want to take an interested and highly motivated group of high school students to Calgary to participate in multiple educational programs not available here in Winnipeg. Specifically, to the iFLY indoor skydiving facility for their STEM program. The objective being that students learn and gain a foundational understanding of free fall diagrams and the nature of fluids and how they exert force on solid objects. The proposed date for this excursion is May 31st to June 3rd.

By participating in the iFLY program, students will gain a valuable real-life experience, which they will use to relate the principles of physics to the real world. It will benefit students by allowing them to take a more hands on approach to a very mathematically intensive course. This excursion also allows students to meet various specific and general learning outcomes (*GLO A4, GLO B1, S4P-0-1e, S4P-2-5, S4P-0-1a, S4P-2-1*).

It is our expectation that students will prove what they have learned through various methods and assignments. Most notably, an all-school presentation at the assembly immediately following their excursion, will outline what they did, what they learnt, and how the trip has helped them to understand the concepts of physics as outlined in the curriculum. As well as assignments that are directly connected to their excursion for which they will receive a grade.

We have the expertise and commitment of Mr. Solomon Bello (Teacher) to attend as a chaperone/leader for this trip. Who is dedicated to ensuring the safety of the group during their time out of province. He is also committed to ensuring that the students meet the learning objectives outlined while allowing them to have fun and as a result, allowing them to gain a deeper interest in the topic.

We look forward to the anticipated approval of the board for this chance to connect course outcomes to real life experiences and to instill a deeper understanding of these concepts into this group of highly interested students.

Kindest Regards,

Randal Bonneteau – Principal / Whitemouth School

Physics 40s Calgary Trip

OBJECTIVES & PURPOSE

Students will gain practical experience and make real-life connections between the concepts of Newton's law of universal gravitation taught in class, and its application within our world. Be able to describe planetary movement as it relates to Kepler's three laws. Relate in-class calculations and problems involving free fall and weightlessness to physical experience. Students will also be able to gain an understanding of the obstacles of space travel and exploration and be able to calculate and better understand the concept of escape velocity of space craft.

By participating the iFLY STEM program, students will also learn how STEM is used in the real world, be able to draw and interpret free-body force diagrams, understand the nature of fluids and how they exert forces on solid objects. Apply engineering principles to think about tunnel designs, energy efficiency, and safety factors, and understand the existence of variability, uncertainty, and error in experimental results.

LEARNING OUTCOMES

- **S4P-2-1** *Identify and analyze issues pertaining to space exploration.*
- **S4P-0-1a** *Explain the roles of theory, evidence, and models in the development of scientific knowledge.*
- **S4P-2-5** *Solve problems for the escape velocity of a spacecraft.*
- **S4P-0-1e** *Differentiate between how scientific theories explain natural phenomena and how scientific laws identify regularities and patterns in nature.*
- **GLO B1** *Describe scientific and technological events (past and present) and appreciate their impact on individuals, societies, and environment, both locally and globally.*
- **GLO A4** *Identify and appreciate contributions made by women and men from many societies and cultural backgrounds toward increasing our understanding of the world and in bringing about technological innovations.*
- **GLO D6** *Understand the composition of the universe, the interactions within it, and the impacts of humankind's continued attempts to understand and explore it.*
- **GLO B2** *Recognize that scientific and technological endeavours have been and continue to be influenced by human needs and the societal context of the time.*

ITINERARY

Day 1: Arrival & Acclimation

Arrive at Calgary International Airport and take included shuttle to the *Comfort Inn & Suites*

North Calgary. Check into hotel rooms and get situated, have something to eat and use the amenities.

Day 2: Fulfillment of Objectives & Purpose as defined

Leave the hotel and travel directly to the *iFLY Calgary Indoor Skydiving facility*. Participate in the program and experience firsthand some of the concepts and theories behind aerodynamics and gravity. Visit local establishments (The RecRoom and Cabela's). Have a meal and return to the hotel. Remain in the hotel until the end of the day.

Day 3: Further Learning Opportunities

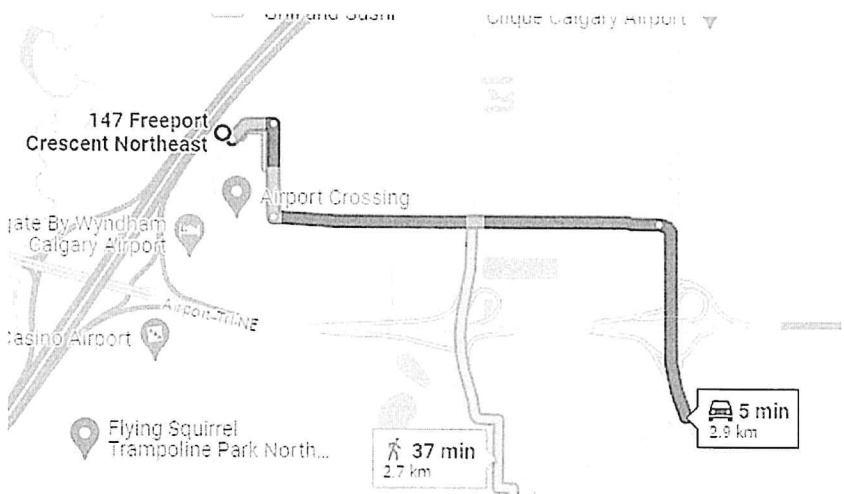
Leave the hotel and travel directly to the Airforce Museum of Alberta. Participate in the program as outlined by the organizer. Travel back to the hotel. Head to the CF Chinook Centre, and Long and McQuade

Day 4: Conclusion & Return to Manitoba

Pack up and head for the airport, fly back to Manitoba and return home.

LOCATION OF FACILITIES

We will be staying at the Comfort Inn & Suites North Calgary located at 147 Freeport Crescent NE.



Distance between Hotel and Airport.



Map depicting all planned stops for the trip. (The group of markers labeled by the "Rec Room" include iFLY, Cabela's)

COST BREAKDOWN

Travel

WestJet Swoop Flight (Departure & Return) \$1,119.55

Departure: \$113.00/person

Return: \$110.00/person

Accommodations

Comfort Inn & Suites North Calgary \$1,361.00

Food Allowance \$ 500.00

Transportation \$ 100.00

Activity Costs

iFLY Indoor Skydiving \$ 400.00

Airforce Museum \$ 35.00

Total: **\$3,515.55**

Total Per Person: **\$ 703.11**

(Approximations as of February 22nd 2024, not including any student or loyalty discounts)



HIGHER CARE/EXTENDED FIELD TRIP PROPOSAL FORM

HIGHER CARE/EXTENDED FIELD TRIP PROPOSAL FORM

SCHOOL NAME: Whitecourt School

TEACHER IN CHARGE: <u>Solomon Bello</u>			
PHONE: <u>204 951 1986</u>	FAX:	EMAIL: <u>Sbello@Sunrisesd.ca</u>	
DESTINATION: <u>Calgary, AB.</u>			
DATE: <u>31st May - 3rd June, 2024</u>	DEPARTURE TIME: <u>8 pm</u>	RETURN TIME: <u>11 am</u>	
AREA OF STUDY: <u>physics</u>	PURPOSE OF TRIP: <u>Relate the principles of physics</u>		
GRADE LEVEL: <u>11</u>	# OF STUDENTS: <u>4</u>	# OF MALE: <u>2</u>	# OF FEMALE: <u>2</u>

NAMES OF SUPERVISORS (Please print; add lines as needed):	Staff (S)/Volunteer (V)/Other (O)	GENDER: M/F
Teacher in Charge: <u>Solomon Bello</u>		<u>M</u>
Other Supervisor: (*if not identified at this time, include with planning form)		
Other Supervisor:		
Other Supervisor:		
TOTAL NUMBER OF SUPERVISORS:	<u>1</u> / <u>1</u>	
NAME OF SERVICE PROVIDER (SP) (If applicable):	SP CONTACT PERSON:	SP PHONE:

TRANSPORTATION (check all that apply):		ESTIMATED COST OF TRIP:
METHOD: <input type="checkbox"/> Walking <input type="checkbox"/> School-owned bus/van <input type="checkbox"/> Public transport <input type="checkbox"/> Charter bus <input type="checkbox"/> Rental van <input type="checkbox"/> By service provider Other (specify): _____	DRIVER: <input type="checkbox"/> Professional driver <input checked="" type="checkbox"/> Volunteer driver (staff/other supervisor) <input type="checkbox"/> Volunteer driver (student) Other (specify): _____	SOURCES OF FUNDING (i.e., cost/student, other sources): <u>\$703.11 for each student. Cost is covered by students.</u>
		EQUAL ACCESS FOR ALL STUDENTS ASSURED: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
		SPECIAL NEEDS ADDRESSED: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
		ALTERNATIVE ACTIVITY FOR NON-PARTICIPANTS: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
		CONTINGENCY PLAN (if trip cancelled, if student does not go): <u>student will work in class</u>

EDUCATIONAL VALUE

Goals and/or Student Learning Outcomes: Attached.

Activity(ies) that will occur (or include on attached Program/Activity/Trip Plan and/or Itinerary Card): Attached.

Student preparation (e.g., re: knowledge, skills, attitudes, fitness): Students already have the required skills and are fit for this trip

Follow-up activity(ies) that will occur: Presentation about the trip



HIGHER CARE/EXTENDED FIELD TRIP PROPOSAL FORM

SAFETY GUIDELINES

I have reviewed Sunrise procedures and the *YouthSafe Manitoba: Field Trip Safety for Schools (2004)*: Yes No

SAFETY PLAN

Main activities are:

*Visit to airforce MUSEUM
Taking part in ifly eSTEM activities*

Safety issues – include what can reasonably be expected in these activities, specific risks:

*Supervision, Not following ifly instructions on safety
Moving alone without*

Plans to address:

*Give direct instruction on what the expectations are
Be with students whenever they are outside the hotel.*

VOLUNTEER PLAN

Process to identify volunteer candidates:

Volunteer screening processes (check any and all that apply):

- Background Check Reference Check Criminal Records Check Child Abuse Registry Check

Volunteer briefing process re: their roles and responsibilities (e.g., briefing to be conducted when, where, how, by whom):

SUPERVISION PLAN

Briefly describe the supervision processes to be used: e.g., large or small group setting(s); lead/sweep; head counts; buddy system; level of supervision (constant visual, on-site, in the area); other elements of supervision plan as relevant:

- Head Count
- Constant check
- Strict timing (sleep time, activity time)

EMERGENCY PLAN

Contingency kit(s) carried (stocked and accessible) (check all that apply):

- First Aid Repair Survival

Emergency communications technology carried (check any and all that apply):

- Cell phone Satellite phone Radio (VHF, UHF) Family Radio Service (FRS) None Other (specify): _____

Name of Primary First Aider: _____ Certification Held: _____

Name of School Contact Available 24/7: _____ Phones: (H) _____ (W) _____ (S) _____

ATTACHMENTS CHECKLIST (check all that apply and attach to this form):

- | | |
|---|--|
| <input type="checkbox"/> Program/Activity/Trip Plan | <input type="checkbox"/> Parental Consent and Acknowledgement of Risk Form |
| <input type="checkbox"/> Itinerary Card | <input type="checkbox"/> Volunteer Consent and Acknowledgement of Risk Form |
| <input type="checkbox"/> Assessing Teacher/Leader Competency Form | <input type="checkbox"/> Student Transportation in Private Vehicles by Staff or Other Volunteers |
| <input type="checkbox"/> Parent/Guardian Correspondence | <input type="checkbox"/> Service Provider Master Agreement and/or Contract |

Other (specify): _____



HIGHER CARE/EXTENDED FIELD TRIP PROPOSAL FORM

EVALUATION

Criteria for success of field trip: *- Students work on the physics of the activity
- Make a PowerPoint Presentation of their experience*

Process to determine success:
Students are going to make a presentation in June during the school assembly time.

Name of Teacher in Charge (please print): <i>Solomon Bello</i>	Date (year/month/day) <i>2024 / 02 / 29</i>	Signature <i>[Signature]</i>
Name of Principal (please print): <i>Handal Bonneteau</i>	Date (year/month/day) <i>2024 / 02 / 29</i>	Signature <i>[Signature]</i>
Additional approval (as needed; specify and please print):	Date (year/month/day) <i>/ /</i>	Signature



HIGHER CARE/EXTENDED FIELD TRIP PROPOSAL FORM

HIGHER CARE/EXTENDED FIELD TRIP CHECKLIST

√ = Met
 X = Not Met
 ? = Need More Information
 - = Not Applicable

Met	Criteria
<input checked="" type="checkbox"/>	The group appears adequately prepared for the trip (e.g., knowledge, skills, attitudes, fitness, clothing, equipment)
<input type="checkbox"/>	Information to be given parents/guardians is appropriate for the type/duration of trip
<input type="checkbox"/>	Parental/guardian consents are collected (e.g., consent to attend, consent to secure medical treatment)
<input type="checkbox"/>	Relevant student health and medical information is secured from parents
<input type="checkbox"/>	Additional insurance needs addressed, if relevant (e.g., out of province medical, hospital care) (contact MSBA) <i>*STUDENTS, STAFF and VOLUNTEERS MUST obtain additional insurance coverage for USA/international trips (ALL out-of-Canada trips). This information is on file at the school. <input type="checkbox"/>YES <input type="checkbox"/>No</i>
<input type="checkbox"/>	Budget and financial arrangements are appropriate
<input type="checkbox"/>	Transportation arrangements are acceptable (type of vehicle, type of driver) and parental/guardian consent is secured
<input type="checkbox"/>	Special needs issues are addressed
<input type="checkbox"/>	Number and gender(s) of supervisors and supervision plan are appropriate for group, activities and sites/areas <i>Higher Care Day or Extended Care Trips – Recommended Ratio: Grade 5-8 students 1:10; Grade 9-12 students 1:15</i>
<input type="checkbox"/>	If the trip is overnight, accommodations arrangements are acceptable, (e.g., hygiene, security)
<input type="checkbox"/>	The safety plan is appropriate (i.e., procedures for managing the key inherent risks of the activities, environments and participants)
<input type="checkbox"/>	Emergency plan is in place to deal with injured/ill/lost/stranded participant(s) (e.g., training, kits, communications equipment, EMS access, back-up transportation)
<input type="checkbox"/>	There is an alternative contingency plan(s) if the trip/part of the trip can't happen
<input type="checkbox"/>	Destination contact and phone number is provided, e.g., outdoor centre, camp, local authority(ies)
<input type="checkbox"/>	There is a list of documents the teacher will carry (e.g., trip plan, permits, passenger manifestos, medical conditions and emergency contacts of participants)
<input type="checkbox"/>	The office will receive a copy of finalized trip plan, signed consent forms, passenger manifestos and names of no-shows



IJOA-E4

HIGHER CARE/EXTENDED FIELD TRIP PROPOSAL FORM

Comments:

Name of Teacher in Charge (please print): <i>Solomon Bello</i>	Date (year/month/day) <i>2024 / 02 / 29</i>	Signature <i>[Signature]</i>
Name of Principal (please print): <i>Nanda Bonnetoun</i>	Date (year/month/day) <i>2024 02 29</i>	Signature <i>[Signature]</i>
Additional approval (as needed; specify and please print):	Date (year/month/day) <i>/ /</i>	Signature

Cross Reference:		
Date Adopted: August 1, 2017	Date Amended: April 25, 2019	Board Motion(s):
Procedure: IJOA	Guidelines: IJOA-R	Exhibit: IJOA-E1, IJOA-E2, IJOA-E3, IJOA-E5, IJOA-E6, IJOA-E7