



ArrowMight *Literacy/Numeracy Program*

PILOT RESULTS for the first 150 students

PROVINCE OF BRITISH COLUMBIA

PROVINCE OF MANITOBA

PROVINCE OF ONTARIO

*Detailed results from the
Learning Management System (LMS)*

December 2010



*ArrowMight students gain an
enhanced chance of post secondary success,
and increased earnings potential*

GENERAL COMMENTS

The pilot student ethnicity breakdown was:

50% Aboriginal

25% New Canadians

25% Canadian born of European decent

Age breakdown:

16 – 25 years.....	35%
26 – 35 years.....	37%
36 – 45 years.....	38%
46 – 55 years.....	27%
Over 55 years.....	13%

Gender breakdown:

One Male to Three Females

Many women enrolled in the program had husbands or partners following the program voluntarily. In some households this included children.

We decided we needed to pilot in at least three provinces with high literacy needs.

British Columbia

(Vancouver).....Enrolled **55** students

Ontario

(Smiths Falls).....Enrolled **24** students

Manitoba

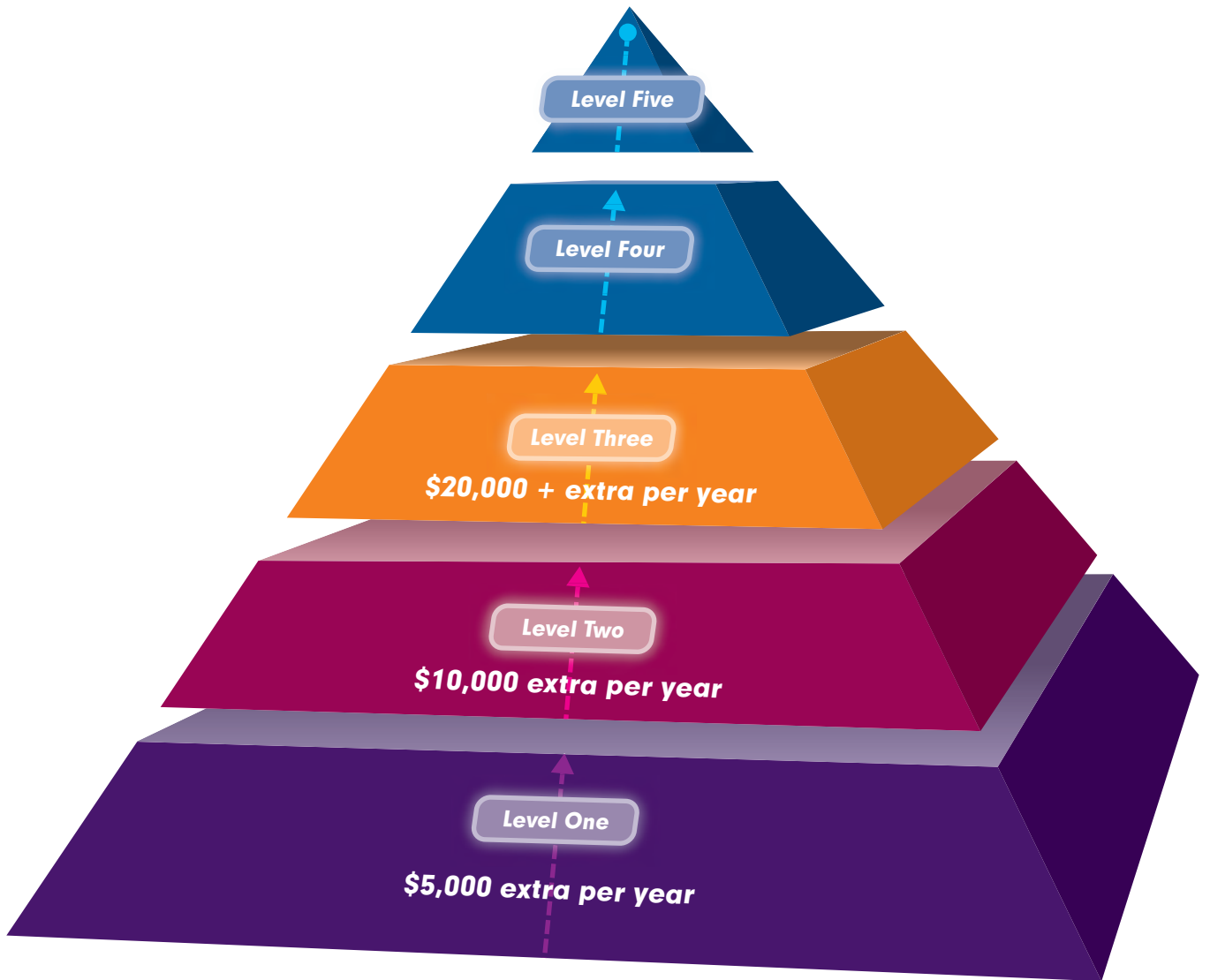
(Winnipeg, Brokenhead & Black River FN).....Enrolled **71** students

Total:..... **150** Students

Appreciation to:

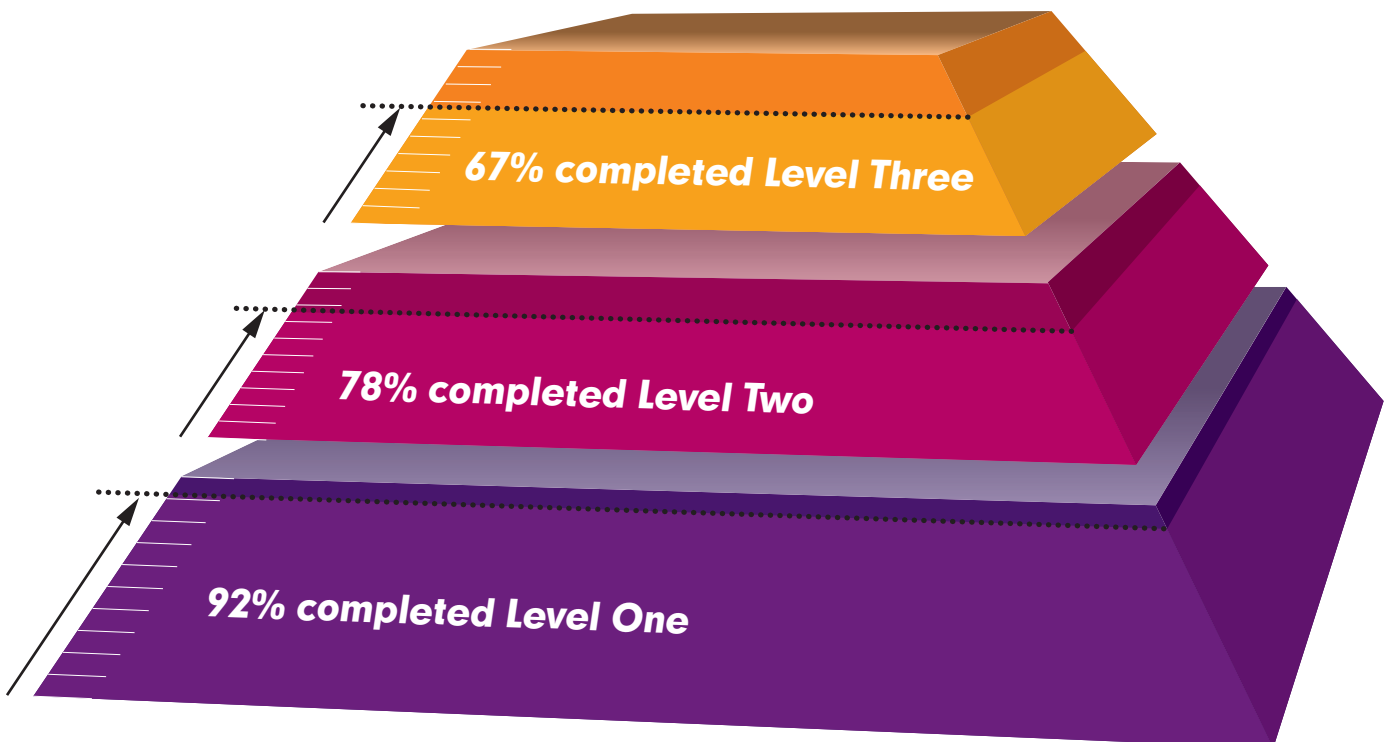
Vancouver Aboriginal Friendship Centre, BC
Upper Canada District School Board, Ontario
Red River College, Manitoba
NILA
Brokenhead First Nations
Black River First Nations

High Literacy Levels = High Salary Expectations



ArrowMight Pilot Results

Target Functional Literacy - Level Three



To observe students privacy, identity numbers only are shown on the tables in this document. Four face-to-face assessments plus student resource delivery are required for successful completion of each Module which are represented by checkmarks in the attached table.

In-depth Analysis of B.C. Pilot

One Facilitator – 55 Students, mainly New Canadians

Module 1

55 Students started, 51 completed successfully **93%**

4 Students did not complete

Of the four (4) students who withdrew:

- 1 *Did not start but did receive Pack Module 1*
- 1 *Death & illness in family*
- 1 *Student could not concentrate*
- 1 *Pregnancy difficulties and illness*

Module 2

7 Students decided not to move to Module 2

(reasons need to be researched)

44 Students started, 38 completed successfully **86%**

6 Students did not complete for the following reasons:

- 2 *Family problems*
- 1 *Went home to Brazil*
- 1 *Employed for more than 12 hour per day*
- 1 *Had two (2) jobs – no time to study*
- 1 *Additional employment responsibilities*

Normally these students would have been replaced but were not due to the nearness to the pilot completion date.

Module 3

2 Students decided not to enroll in Module 3

36 Students started, 26 completed successfully **72%**

Average Pass Rate per Module **83%**

Of those remaining:

Four (4) students only have to complete successfully their Final Assessment to pass. All of these students are currently employed.

Another six (6) students, yet to complete the Mid-Module and Final Assessments for Module 3 were:

		<i>Level of Education</i>
1 Somali mother of 5	Age 32	Elementary only
1 African mother of 2	Age 30	Secondary only
1 Latin American mother of 1	Age 21	Secondary only
1 African mother of 4	Age 46	Secondary only
1 Aboriginal mother	Age 51	Elementary only
1 Asian mother of 2	Age 36	College Certificate

All appear capable of successfully completing Functional Literacy Level 3.

Upper Canada District School Board - Smiths Falls: 24 Students (Ontario)

Compulsory face-to-face assessments

StudentID	Module 1					Module 2					Module 3				
✓ 158	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×
✓ 162	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×
✓ 193	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×
✓ 207	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×
✓ 211	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×
✓ 216	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×
✓ 267	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×
✓ 259	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×
178	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×
✓ 157	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×
✓ 156	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×
✓ 168	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×
✓ 179	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×
✓ 180	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×
✓ 223	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×
✓ 294	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×
✓ 258	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×
✓ 270	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×
✓ 155	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×
✓ 170	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×
✓ 266	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×
✓ 208	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓ 221	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓ 222	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

100%
LEVEL 1

67%
LEVEL 2

20%
LEVEL 3

Mainly Canadians of European decent

24 students enrolled in M1 **SUCCESSFUL COMPLETION 24** **100%**

24 students enrolled in M2 **SUCCESSFUL COMPLETION 16** **66%**

P/T Facilitator took on additional full-time Management position at School Board resulting in less time and availability to monitor pilot students in M2 and M3. This is reflected in the results.

15 students enrolled in M3 **SUCCESSFUL COMPLETION 3** **20%**

Magnificent start and disappointing conclusion

To achieve best results requires a full-time Facilitator with 50 – 60 students as was the case in BC pilot. It is feasible to assume that if the Computer Training Program had been available in Smiths Falls that better results could also have been achieved.

Red River College - Black River: 25 Students (Manitoba)

StudentID	Compulsory face-to-face assessments														
	Module 1					Module 2					Module 3				
99	✓	✓	×	×	×	×	×	×	×	×	×	×	×	×	×
117	✓	✓	×	×	×	×	×	×	×	×	×	×	×	×	×
236	✓	✓	×	×	×	×	×	×	×	×	×	×	×	×	×
237	✓	✓	×	×	×	×	×	×	×	×	×	×	×	×	×
264	✓	✓	×	×	×	×	×	×	×	×	×	×	×	×	×
231	✓	✓	✓	×	×	×	×	×	×	×	×	×	×	×	×
248	✓	✓	✓	×	×	×	×	×	×	×	×	×	×	×	×
✓ 275	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	×	×
228	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×
229	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×
247	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×
274	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×
220	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×
✓ 224	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓ 225	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓ 226	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓ 230	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓ 232	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓ 234	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓ 235	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓ 238	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓ 239	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓ 249	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓ 250	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓ 278	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

72%

LEVEL 1

76%

LEVEL 2

92%

LEVEL 3

25 Aboriginal students enrolled M1 .. SUCCESSFUL COMPLETION 18..... 72%

17 students enrolled M2 SUCCESSFUL COMPLETION 13..... 76%

13 students enrolled in M3 SUCCESSFUL COMPLETION 12..... 93%

Computer Training Program option helped to achieve excellent final results in M3. Results in M1 and M2 may have been higher had other students known that there was an option for taking the Computer Training Program after completing M3.

These results also highlight the importance of a good Facilitator and that they can help to improve learner outcomes.

Red River College - Brokenhead: 26 Students (Manitoba)

Compulsory face-to-face assessments

StudentID	Module 1					Module 2					Module 3				
132	✓	✓	×	×	×	×	×	×	×	×	×	×	×	×	
136	✓	✓	×	×	×	×	×	×	×	×	×	×	×	×	
109	✓	✓	×	×	×	×	×	×	×	×	×	×	×	×	
254	✓	✓	✓	×	×	×	×	×	×	×	×	×	×	×	
137	✓	✓	✓	✓	×	×	×	×	×	×	×	×	×	×	
✓ 140	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	×	
✓ 292	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	×	
✓ 293	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	×	
✓ 367	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	×	
161	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	
253	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	×	
290	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	
106	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	
113	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	
281	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	
368	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	
291	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	
108	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	
240	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	
252	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	
✓ 100	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
✓ 104	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
✓ 105	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
✓ 107	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
✓ 111	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
✓ 135	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

81%

LEVEL 1

35%

LEVEL 2

100%

LEVEL 3

26 students enrolled in M1 SUCCESSFUL COMPLETION 21 81%

There was an unavoidable change of Facilitator and a loss of several students.

17 students enrolled in M2 SUCCESSFUL COMPLETION 6 35%

The Facilitator who had started the pilot resumed.

6 students enrolled in M3 SUCCESSFUL COMPLETION 6 100%

Offering the Computer Training Program with option to keep the laptop if student successfully completes definitely motivated these students.

Computer Training Program should be confirmed at initial enrolment period. Careful selection and availability of Facilitator is critical and a full load of student numbers at 50 plus is ideal.

Red River College - Nila: 20 Students (Manitoba)

Aboriginal Community in Winnipeg

Compulsory face-to-face assessments

StudentID	Module 1					Module 2					Module 3				
94	✓	✓	×	×	×	×	×	×	×	×	×	×	×	×	
110	✓	✓	×	×	×	×	×	×	×	×	×	×	×	×	
114	✓	✓	×	×	×	×	×	×	×	×	×	×	×	×	
121	✓	✓	×	×	×	×	×	×	×	×	×	×	×	×	
122	✓	✓	×	×	×	×	×	×	×	×	×	×	×	×	
125	✓	✓	×	×	×	×	×	×	×	×	×	×	×	×	
160	✓	✓	×	×	×	×	×	×	×	×	×	×	×	×	
185	✓	✓	×	×	×	×	×	×	×	×	×	×	×	×	
118	✓	✓	✓	×	×	×	×	×	×	×	×	×	×	×	
93	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	
95	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	
97	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	
103	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	
366	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	
103	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	×	×	
147	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×	
92	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	
148	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	
149	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	
✓ 169	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

Facilitator replaced

55%

LEVEL 1

36%

LEVEL 2

25%

LEVEL 3

20 students enrolled in M1 **SUCCESSFUL COMPLETION 11** **55%**
Facilitator replaced, lost 9 students.

9 students enrolled in M2 **SUCCESSFUL COMPLETION 5** **55%**
Facilitator sought full-time position.

4 students enrolled in M3 **SUCCESSFUL COMPLETION 1** **20%**
Students lacked a Facilitator for M3.

Disappointing results that indicate the responsibilities of the Facilitator were not fulfilled.

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