



SUMMER STEAM – A POWER SOURCE TO HELP FARIBAULT YOUTH COMPLETE & COMPETE

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Faribault Public Schools
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So which direction were we heading?



History & Formation of STEAM



Faribault had a variety of summer youth programs

- Free Pops – Community Ed, Parks & Rec, So How Are the Children
- Targeted services
- Neighborhood specific – Growing Up Healthy, Carleton College

Programs were not aligned leading to disconnected goals and outcomes for youth

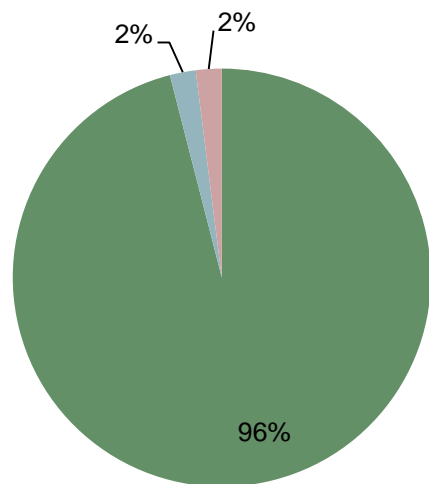
Need Identification



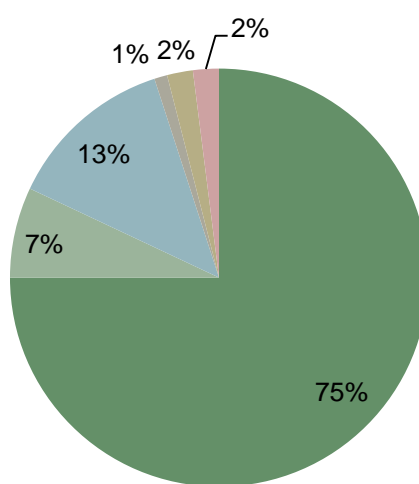
Changing demographics in Faribault

- Increase in free/reduced price lunch population
- Increase in English learning population

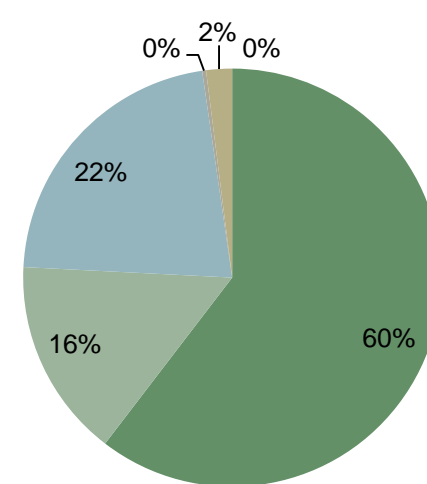
1990 - Faribault



2010 - Faribault



2015 FPS Enrollment



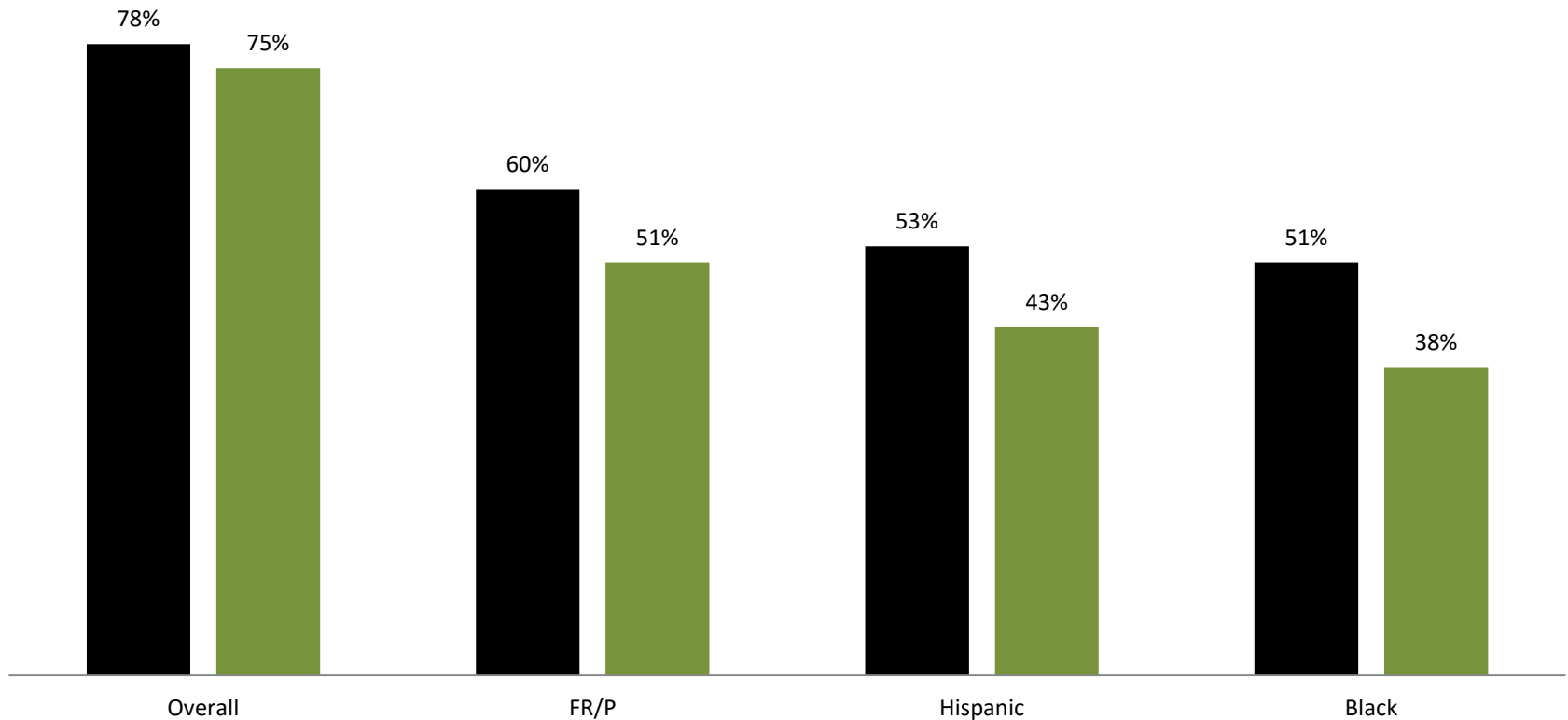
- White, non-Hispanic
- Black, non-Hispanic
- Hispanic
- American Indian/Alaskan Native
- Asian/Pacific Islander
- Other

Need Identification – Year One



Faribault Graduation Rates 2012

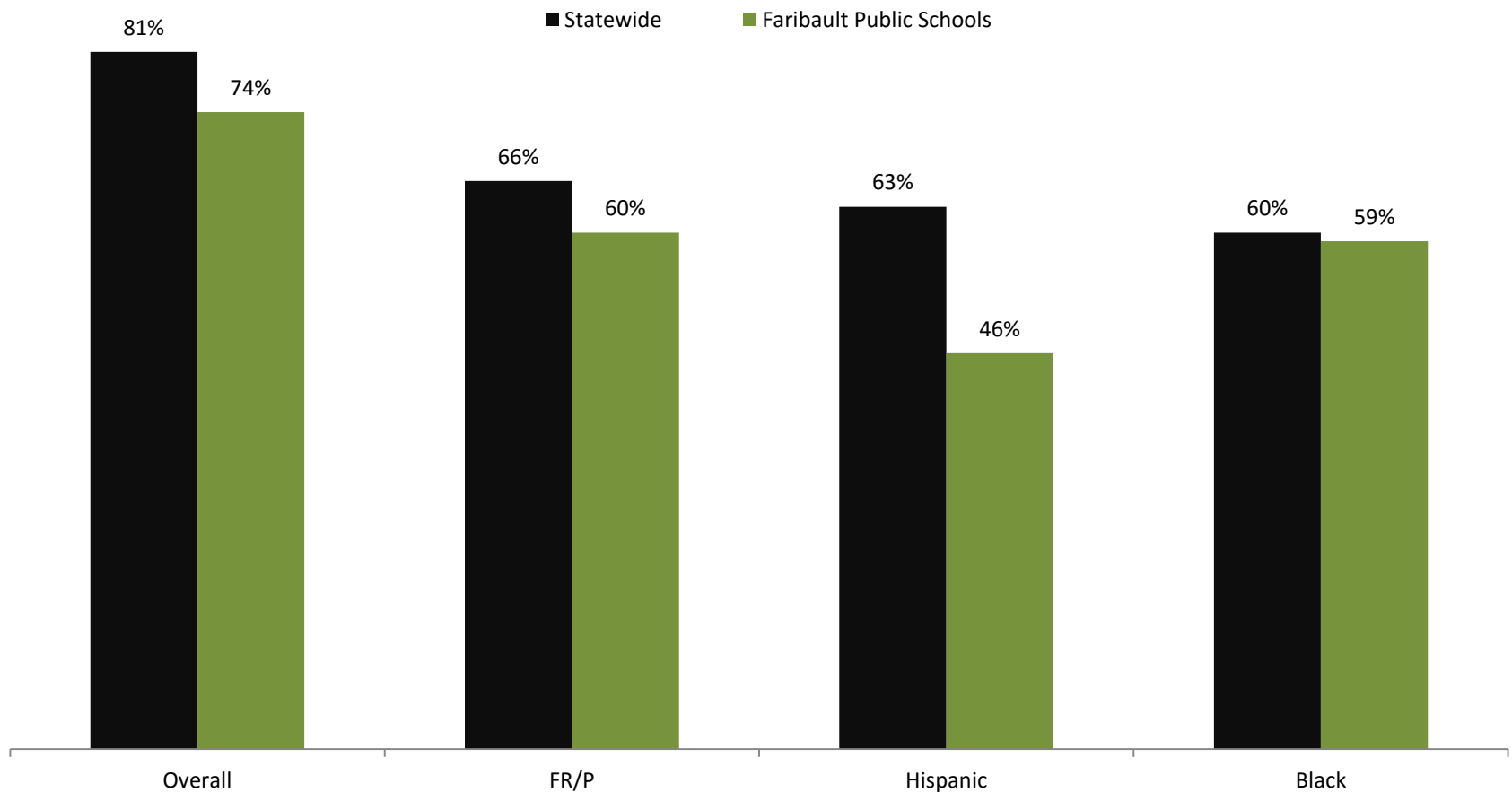
■ Statewide ■ Faribault Public Schools



Need Identification - Current



Faribault Graduation Rates 2014

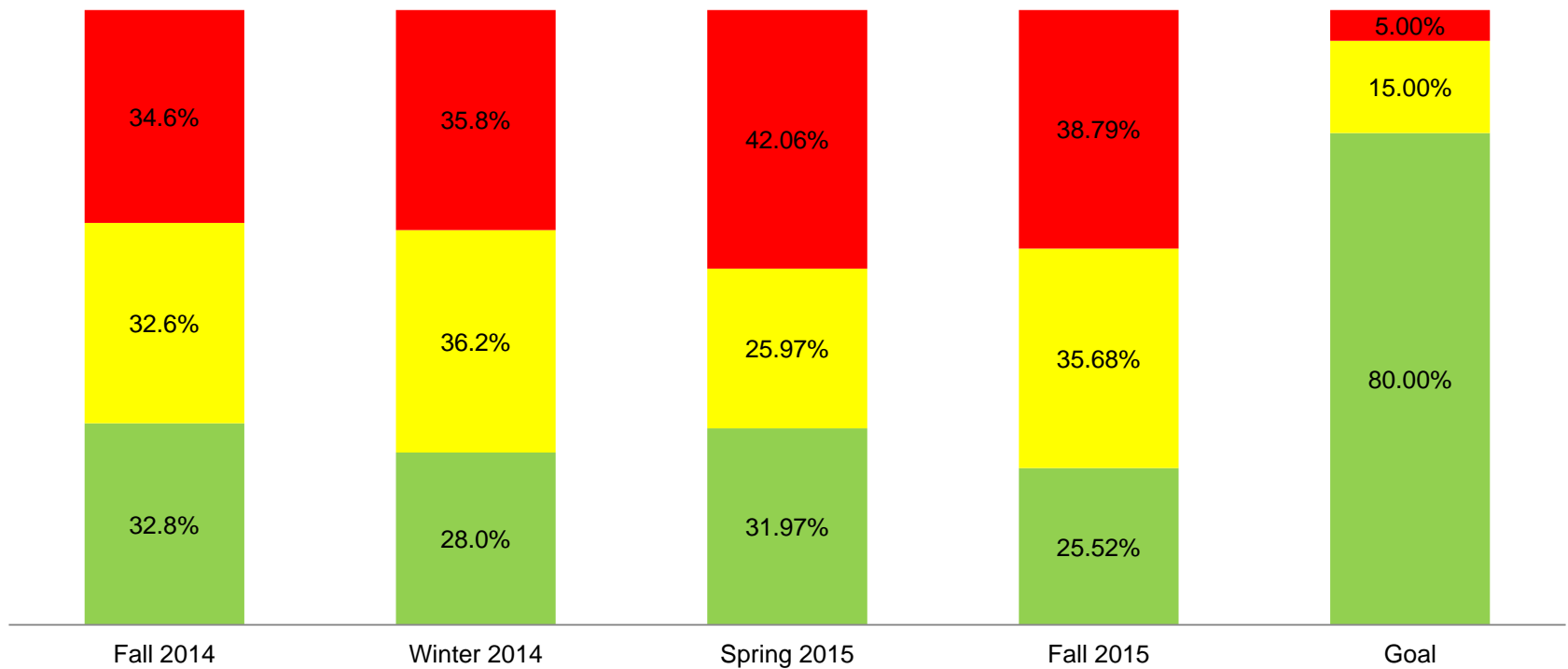


Need Identification - Current



Reading Intervention Levels

■ Tier 1 ■ Tier 2 ■ Tier 3

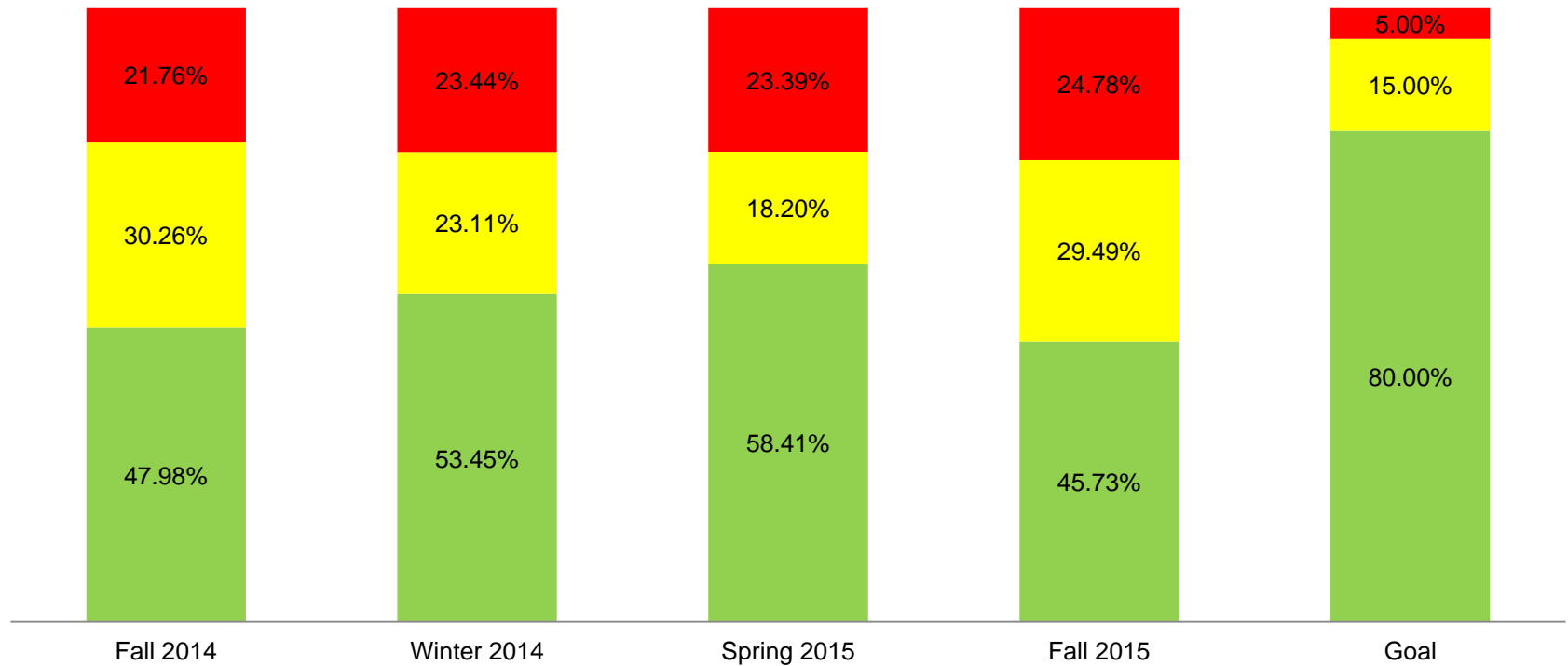


Need Identification - Current



Math Intervention Levels

■ Tier 1 ■ Tier 2 ■ Tier 3

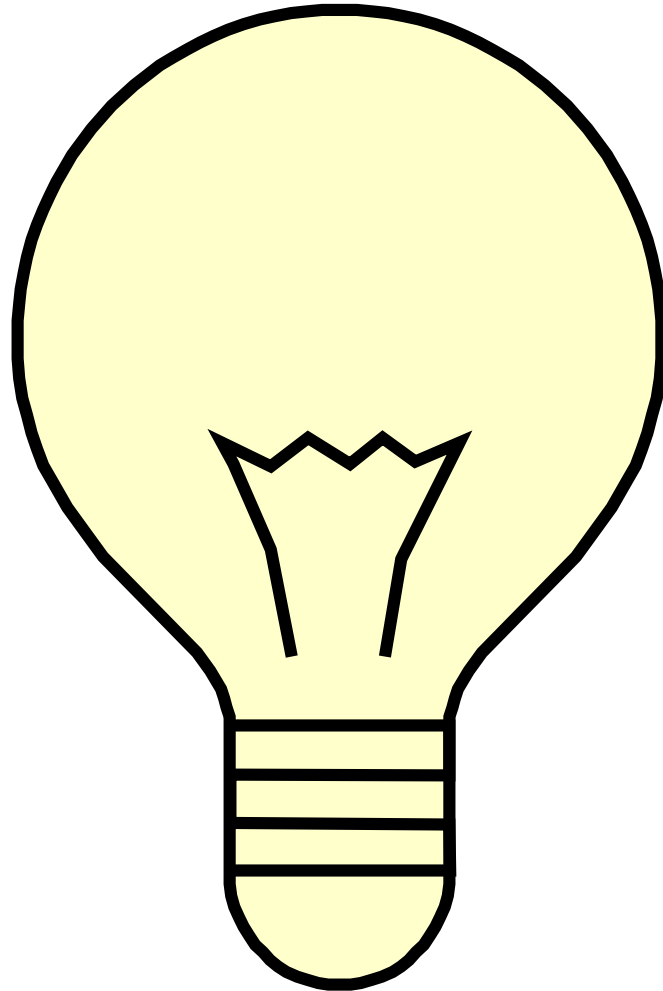


Summer Learning Loss Research



- Faucet Theory – intentionally turn learning resources on for all socioeconomic groups and create equal access to summer programming. (Miller, *The Untapped Power of Summer to Advance Student Achievement*, 2007)
- Summer Learning Loss Video
- Keeping up – reading at grade level, development of capacity and skills needed to learn, retain and apply prior knowledge and experiences
- Assessment data shows academic gap widening among sub-populations

Our bright idea!



What's the Faribault STEAM Program?



The Science, Technology, Engineering, Art and Math (STEAM) summer program was offered for the first time in 2013. It provides 24 extra days of academic and hands-on activities for youth.

- No cost
- Breakfast, lunch and transportation provided
- 6 weeks, Monday through Thursday
- Students going into grades 1-8
- AM (8:30am-noon) – reading, math, science
- PM (noon-3:00pm) – STEAM activity, fitness, cabin time, digital literacy
- Wrap around child care programming



STEAM Goals



In 2012-2013, Faribault Public Schools and the community came together to support common *goals and the concept of STEAM –

- Decrease the achievement gap
- Decrease the opportunity/enrichment gap
- Decrease the wellness (health & nutrition) gap

** Based on research from Harvard Professor Paul Reville*

Student Eligibility



STEAM student eligibility focuses primarily on those who qualify under Targeted Services criteria

- EL population
- Low income
- Academic performance
- Homeless
- Mental health or social services issue

STEAM 2013 – Year One



- Partnerships key to STEAM success
 - *External* – community based organizations (youth development and health), United Way, local colleges, Rice County
 - *Internal* – school district programs (Targeted Services, Community Ed, Teaching and Learning, Integrated District) work together to break down “cylinders of excellence”
- Implementation – fast and furious
- Braided funding – several organizations, along with the school district, financially supported STEAM 2013
- Goal focus – maintain and grow



STEAM 2013 – Year One



120 students enrolled, over 300 applied

Early Successes

- Student, family and staff surveys indicated positive feedback overall

As one parent from the fourth and fifth grade student cohort stated – [Student name] really enjoyed her time in the STEAM program. She came home full of joy and eager to share what she experienced and learned every day! STEAM kept her active and alert, kept her on task with reading and writing and math skills. Beth liked the balance of fun time and learning. Hate to see it end.

Lessons learned

- Start planning in September
- Lather, rinse, repeat

We survived!

STEAM 2014 – Year Two



Next steps

- Levy funding secured
- Expansion – enrollment goal of 350 which we achieved
- Enhancements – to deepen partnerships, curriculum & culture change
- Partnerships
 - External
 - Many organizations, along with Rice County, helped with student recruitment
 - Some organizations increased support of programming by helping to hire staff and to create quality hands-on curriculum
 - Internal – FPS steps up commitment to offer seamless summer programming
- Overwhelming positive feedback, but continue to strive for earlier planning

STEAM 2015 – Year Three



- Expansion goal – 450 students
- Student selection methodology – cohorts instead of by building
- Earlier planning – started in September! Lead administrators conducting early conversations, STEAM team started meeting in November
- Data analysis – serious review of academic performance
 - Answer questions, such as, is STEAM helping students grow?
 - Putting together framework for longitudinal analysis

Data Analysis



- STEAM has reduced summer regression for at least one subject on average in 75% of the grades

	Spring ('15) NWEA Reading Score	Fall ('15) NWEA Reading Score	Summer Change in NWEA Reading Score	Spring ('15) NWEA Math Score	Fall ('15) NWEA Math Score	Summer Change in NWEA Math Score
White Student, not in STEAM	204.94	202.94	-2.00	215.12	210.91	-4.21
Non-White, STEAM Student	176.95	175.45	-1.50	185.46	182.08	-3.39
LEP Student in STEAM	173.30	172.33	-0.97	182.23	178.89	-3.34
LEP Student not in STEAM	173.93	171.01	-2.91	181.10	177.85	-3.25
Non-White, not in STEAM	188.24	186.08	-2.17	196.55	193.03	-3.52



FARIBAULT
FALCON BASKETBALL

Team

Canada

Mckeszie

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Questions and Contact Info



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Thank you!