

120

No. of School

14.43

Average of Class Size

90.4%

Average Attendance %

527.18

Average NAPLAN Score

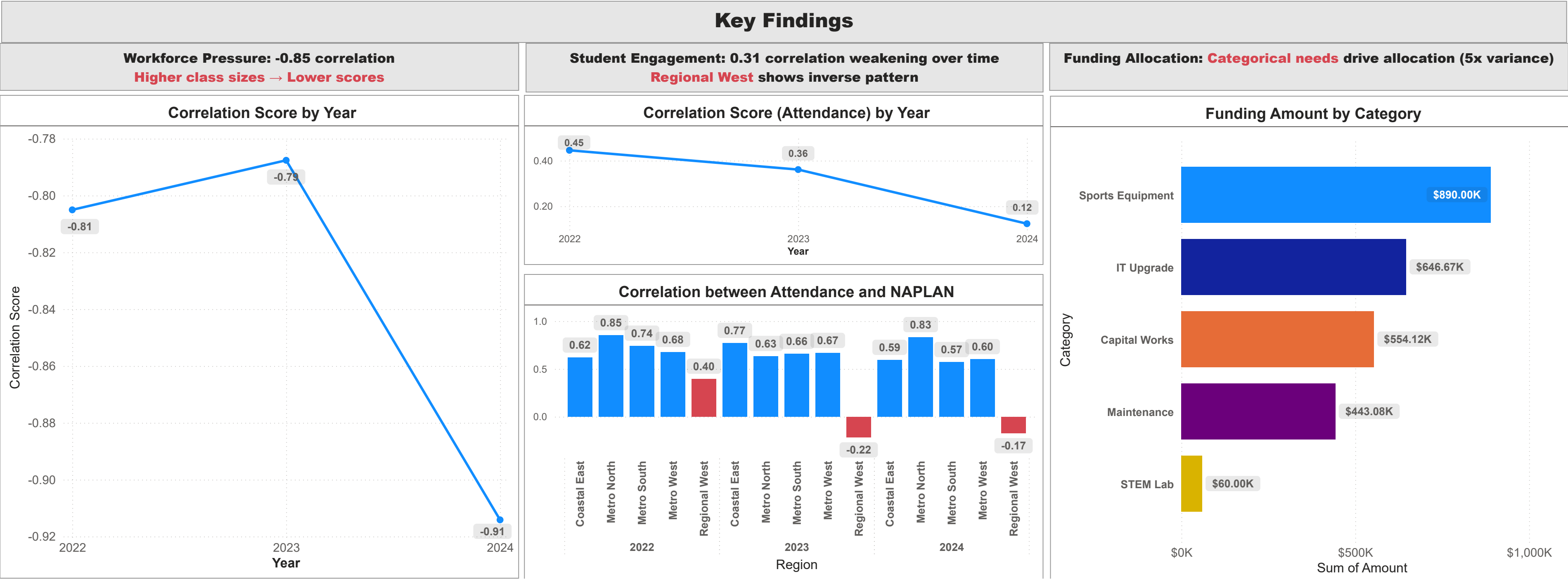
\$2,594K

Sum of Amount

7.59

Funding per Student

- Overview
- Workforce Pressure
- Student Engagement
- Funding Allocation
- Criteria





Staffing Shortage Impact on Academic Performance

Class sizes above 17 students result in 47-point NAPLAN gaps — 13 schools require immediate attention

Year

Select all

2022

2023

2024

Region, Sector

All

Class Size

All

School

All

120

No. of School

527.18

Average NAPLAN Score

14.43

Average of Class Size

No. of School by Class Size Buckets

Correlation between Class Size and NAPLAN

2022

-0.81

Correlation Score

2023

-0.79

Correlation Score

2024

-0.91

Correlation Score

NAPLAN and Class Size by Region

Region	Average NAPLAN Score	Average Class Size
Coastal East	529.19	14.16
Metro North	528.81	14.00
Regional West	527.78	14.34
Metro West	527.73	14.27
Metro South	523.70	15.11
Total	527.18	14.43

Schools Ranked by Class Size (Workforce Pressure)				
In 2024, Eastwood Public school faced the highest workforce pressure				
School Name	2022	2023	2024	Overall Ratio
Redside Secondary	15.90	14.83	22.13	17.62
Forestwood College	15.43	15.76	21.66	17.62
Eastwood Public	14.73	15.71	22.22	17.55
Forestfield Public	14.75	15.87	21.63	17.42
Sunnyfield College	15.21	15.06	21.88	17.38
Forestside Grammar	15.24	14.76	21.96	17.32
Lakewood Public	15.20	14.52	21.87	17.20
Goldenview Academy	15.00	14.37	21.96	17.11
Meadowbank Secondary	14.24	15.10	21.85	17.06
Silverside Secondary	15.28	14.01	21.83	17.04
Eastbank Primary	14.04	14.20	21.95	16.73
Pacificfield College	14.35	14.76	18.88	16.00
Westside Academy	15.96	15.81	15.99	15.92
Meadowfield Tech	16.06	15.97	15.56	15.86
Springbank Tech	15.94	15.73	15.50	15.72
Valleyfield High	15.84	15.26	15.77	15.62
Valleyside Secondary	15.81	15.74	15.11	15.55
Eastfield Grammar	16.03	15.81	14.73	15.52
Sunnybank Primary	15.56	15.49	15.42	15.49
Goldenbank Secondary	15.82	14.70	15.06	15.40

Overall Key Insights

Schools with class sizes > 17: Average NAPLAN score 492
Schools with class sizes < 13: Average NAPLAN score 539.9

Class Size vs Average NAPLAN Score



Student Engagement: Attendance vs Academic Performance

Moderate correlation (0.27 overall, declining to 0.12) — attendance impact is weaker than workforce pressure

Year

Select all

2022

2023

2024

Region

All

Sector

All

School

All

120

No. of School

527.18

Average NAPLAN Score

90.4%

Average Attendance %

Regional West Insight:

Achieves strong NAPLAN scores (527.78) despite lowest attendance (81.8%), demonstrating that effective teaching practices can compensate for attendance challenges. Note: Regional West also maintains moderate class sizes (14.34), supporting the finding that **teacher availability matters more than student presence.**

Correlation between Attendance and NAPLAN

Region	2022	2023	2024	Total
Metro North	0.85	0.63	0.83	0.78
Coastal East	0.62	0.77	0.59	0.66
Metro West	0.68	0.67	0.60	0.64
Metro South	0.74	0.66	0.57	0.53
Regional West	0.40	-0.22	-0.17	-0.05
Total	0.45	0.36	0.12	0.27

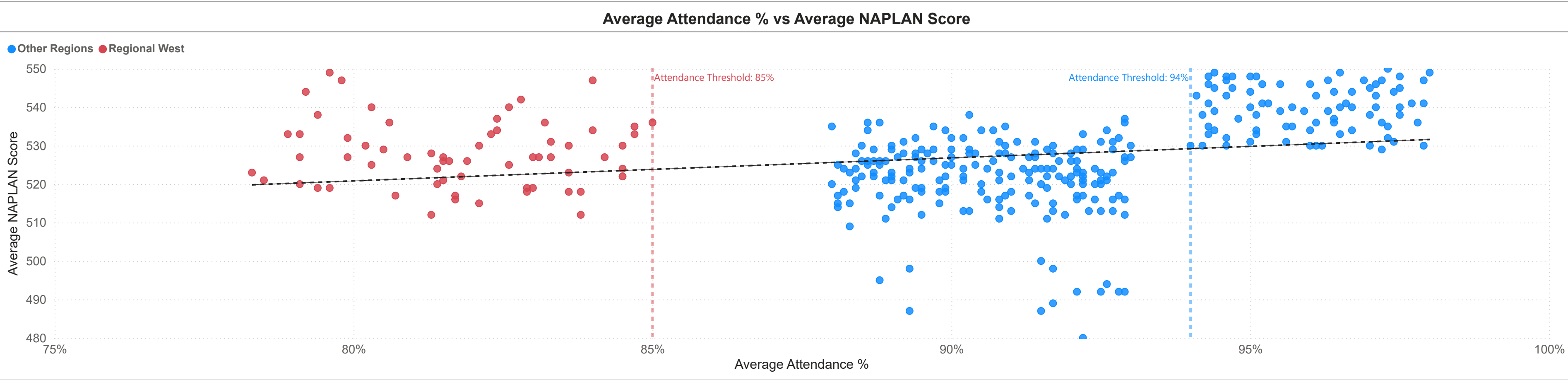
Attendance % by Region Over Year

Region	Average Attendance %	Average NAPLAN Score	Average Class Size
Coastal East	92.1%	529.19	14.16
Metro North	92.7%	528.81	14.00
Regional West	81.8%	527.78	14.34
Metro West	91.8%	527.73	14.27
Metro South	92.6%	523.70	15.11
Total	90.4%	527.18	14.43

Overall Key Insights

Schools with attendance > 94%: Average NAPLAN score 539.82
Schools with attendance < 85%: Average NAPLAN score 527.78

Gap: 13 points (vs. 47-point gap for class size) — attendance impact is moderate compared to workforce pressure





School Workforce Pressure & Funding Allocation

Funding disparity not explained by enrolment differences alone

Year

All

Category

All

Region

All

School

All

31

No. of School

7.59

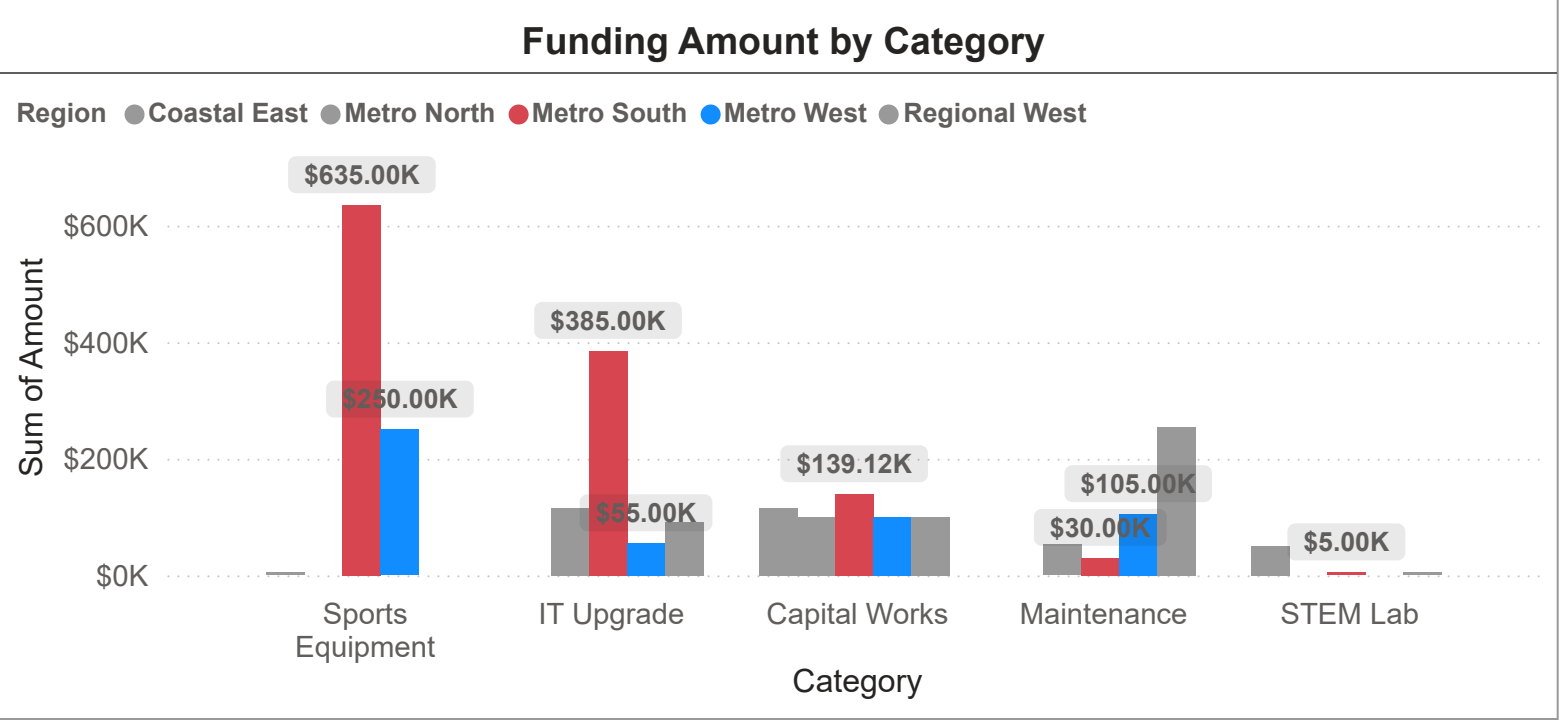
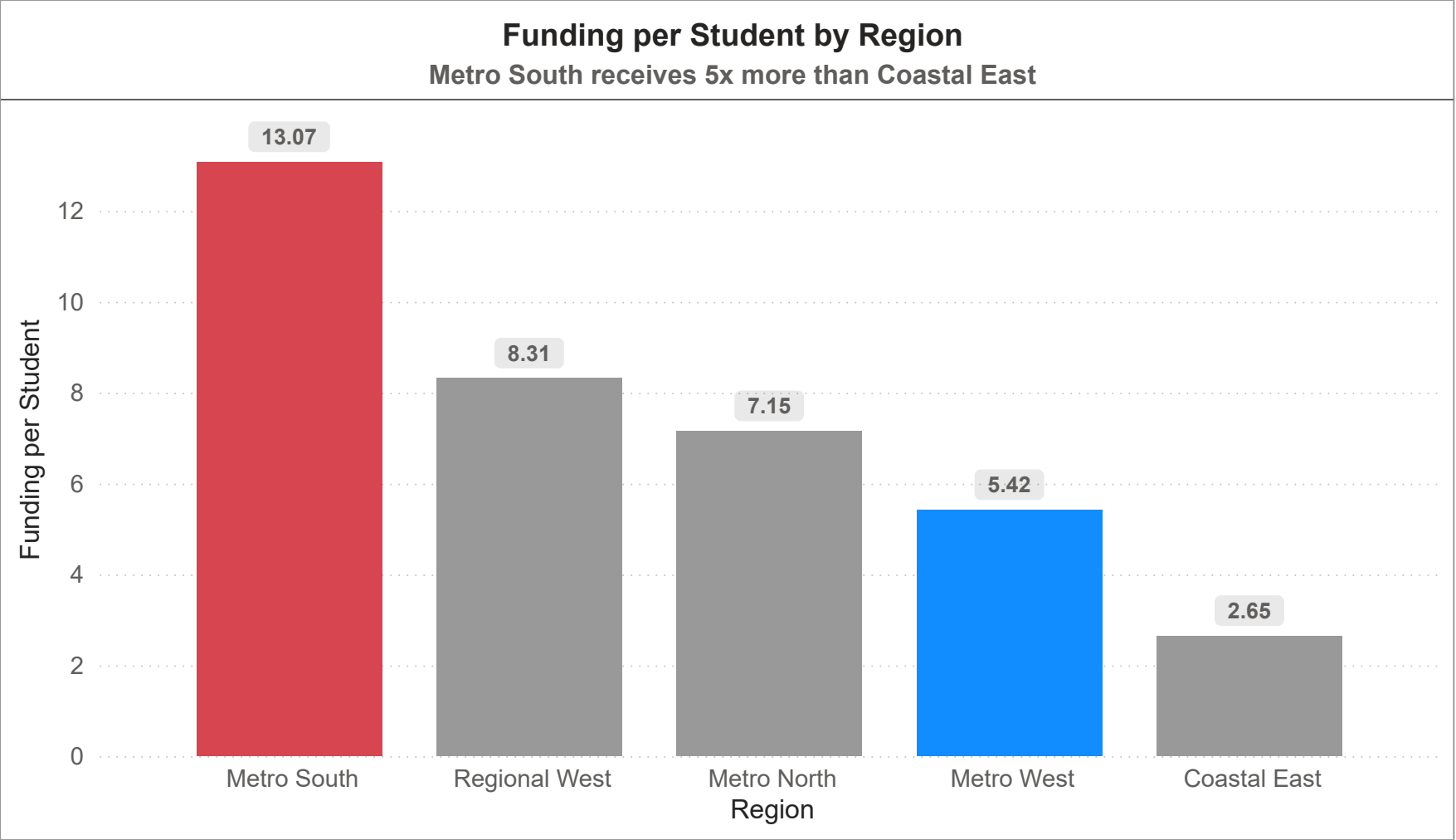
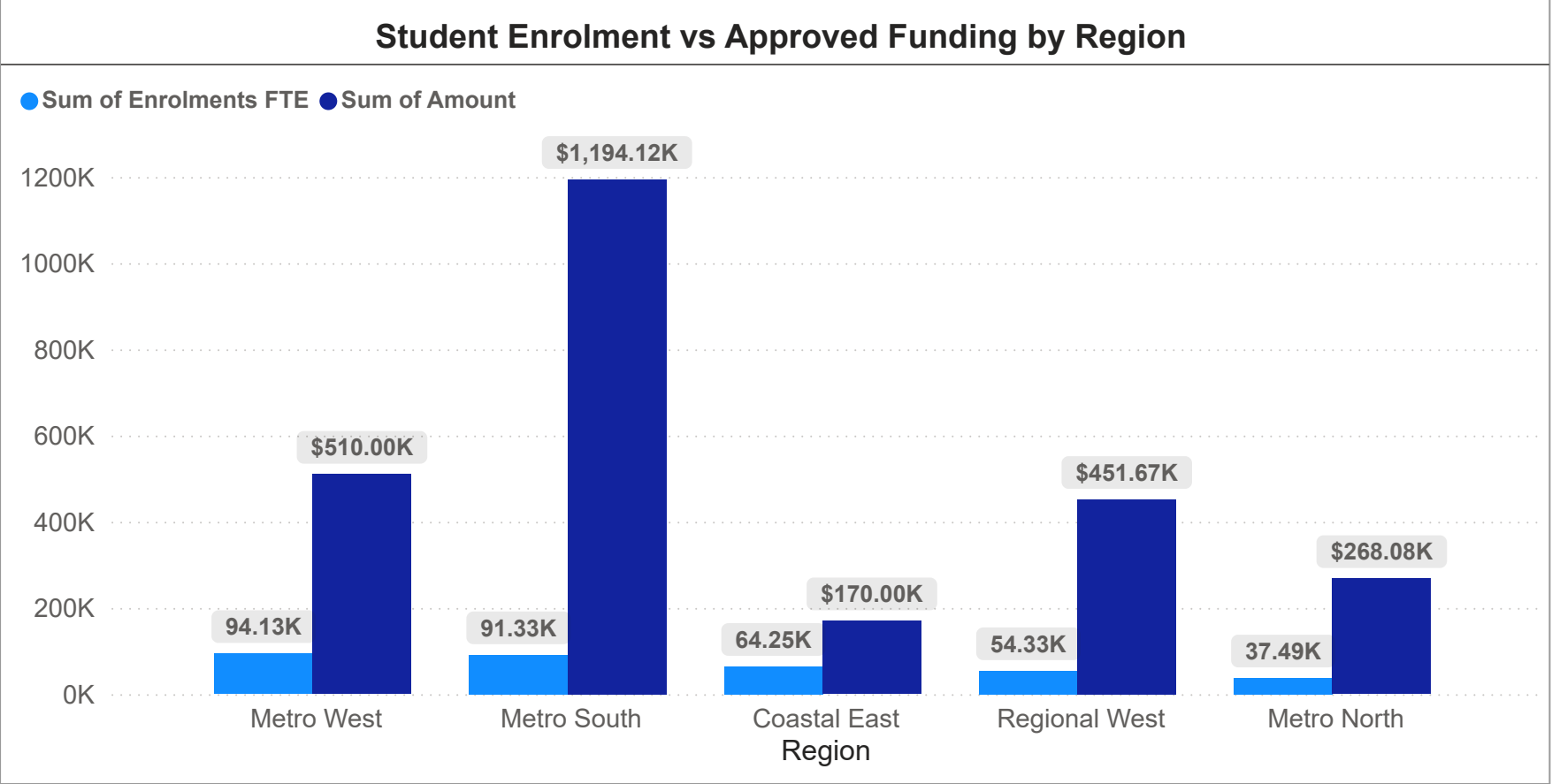
Funding per Student

342K

Sum of Enrolments FTE

\$2,594K

Sum of Amount



Approved Fundings by Region and Category

Region	Capital Works	IT Upgrade	Maintenance	Sports Equipment	STEM Lab	Total
⊕ Metro South	\$139,118	\$385,000	\$30,000	\$635,000	\$5,000	\$1,194,118
⊕ Metro West	\$100,000	\$55,000	\$105,000	\$250,000		\$510,000
⊕ Regional West	\$100,000	\$91,667	\$255,000		\$5,000	\$451,667
⊕ Metro North	\$100,000	\$115,000	\$53,077			\$268,077
⊕ Coastal East	\$115,000			\$5,000	\$50,000	\$170,000
Total	\$554,118	\$646,667	\$443,077	\$890,000	\$60,000	\$2,593,862

Attendance % by School Over Year

Region	Average NAPLAN Score	Average Class Size	Sum of Amount
Coastal East	529.19	14.16	\$170,000
Metro North	528.81	14.00	\$268,077
Regional West	527.78	14.34	\$451,667
Metro West	527.73	14.27	\$510,000
Metro South	523.70	15.11	\$1,194,118
Total	527.18	14.43	\$2,593,862

School Workforce Pressure & Funding Allocation - Analysis Framework

Purpose

Support the budget review by identifying:

- Schools under the **class size pressure** (Student/Teacher ratio)
- Whether workforce pressure has an observable relationship with **NAPLAN** performance
- How **approved funding** is distributed across regions and categories, and whether it aligns with enrolment demand

Scope

- **All schools** in the dataset (expected ~120 schools)
- **2022 - 2024 records** for staffing/enrolment/academic outcomes/funding
- Analysis focuses on **approved** funding requests only. Pending and submitted requests were excluded as they represent unvalidated amounts subject to negotiation and have not been processed through the allocation system.

Validation Logic

- 1) Class Size Pressure (Workforce Pressure)
 - **Student/Teacher Ratio = Total Students ÷ Total Teachers (or Teacher FTE)**
 - Higher ratio = higher pressure
 - Schools are ranked to highlight **top pressure schools** in 2024
- 2) Workforce Pressure vs Academic Results
 - The dashboard shows the **relationship** between Student/Teacher Ratio and NAPLAN outcomes
 - **Interpretation note:** this is a correlation view to flag patterns — **not causal proof**
- 3) Funding Ranking & Cost Drivers
 - Provides a **ranked list of schools within each region** by **Total Funding Approved**
 - Breaks down funding by **Category** to identify the largest cost drivers
- 4) Enrolment vs Funding by Region
 - Compares **Total Enrolment** vs **Total Funding Approved** by region
 - Flags regions where funding does **not** scale with enrolment (over/under allocation signals)

Limitations & Considerations

- Cost inflation analysis not feasible due to limited repeat observations (35 approved requests, no year-over-year school+category matches)
- Correlation analysis identifies patterns but does not prove causation — requires controlled studies for causal claims
- Dataset covers approved funding only; declined/pending requests not analyzed for cost comparison

Recommended Actions

- Prioritize teacher recruitment for 13 schools with class sizes >17 to improve NAPLAN outcomes
- Investigate **Regional West**'s effective teaching practices that compensate for lower attendance
- Review funding allocation criteria to ensure categorical equity across regions