

**OPTIMIZING WORKFLOW AND DATA
MANAGEMENT FOR THE CERES
SCHOOL OF NATURE AND CLIMATE
THROUGH THE IMPLEMENTATION
OF MONDAY.COM**



WPI

CERES SCHOOL OF
NATURE
AND CLIMATE



MEET THE TEAM

Carson Murphy
Aerospace
Engineering

Sarah Ossing
Biomedical
Engineering



Tyler Wong
Electrical and
Computer Engineering

Stephen Price
Computer Science

OPPORTUNITY STATEMENT

The goal of this project was to reduce the time required for the bookings process, allowing staff to spend more time educating.



OBJECTIVES

Understand

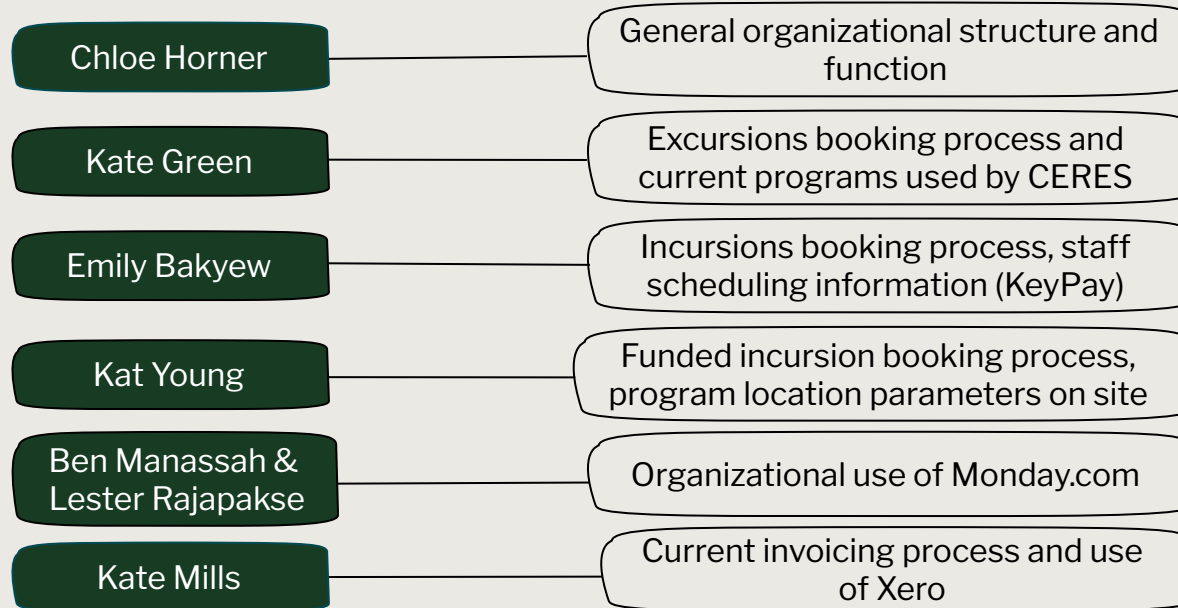
Develop

Report

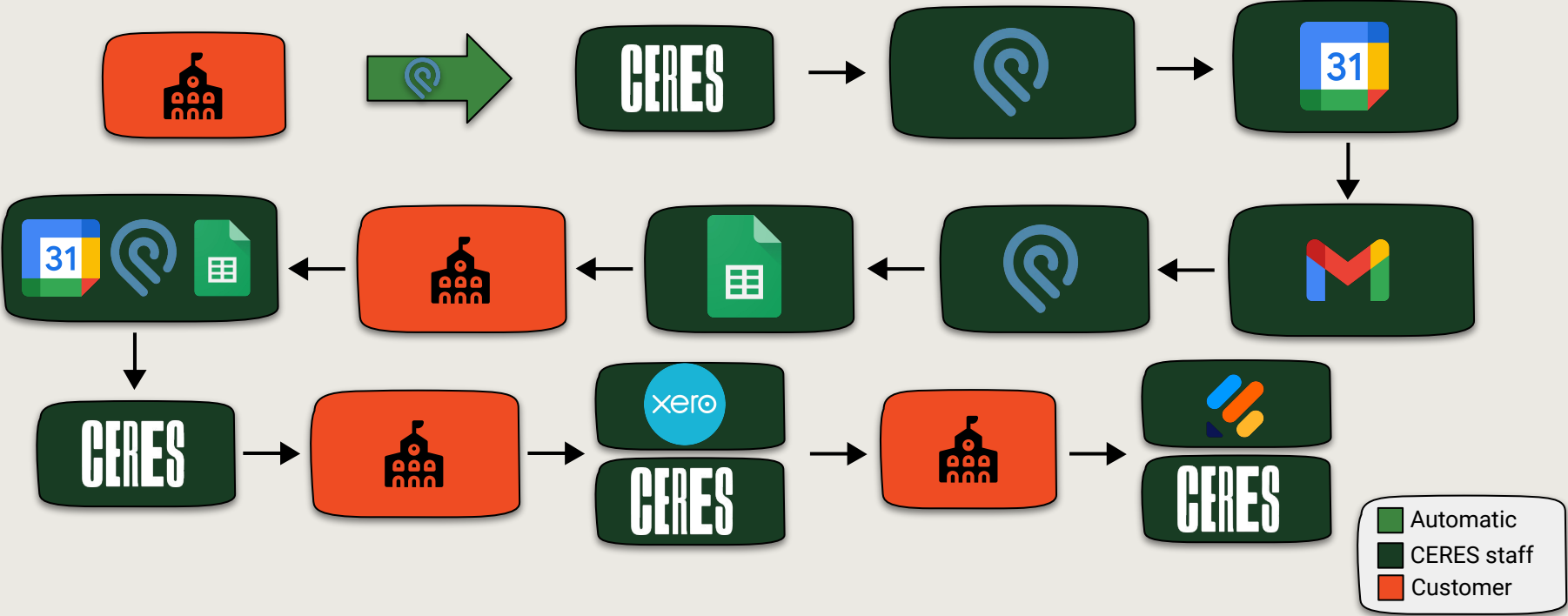
Train and test

Transition

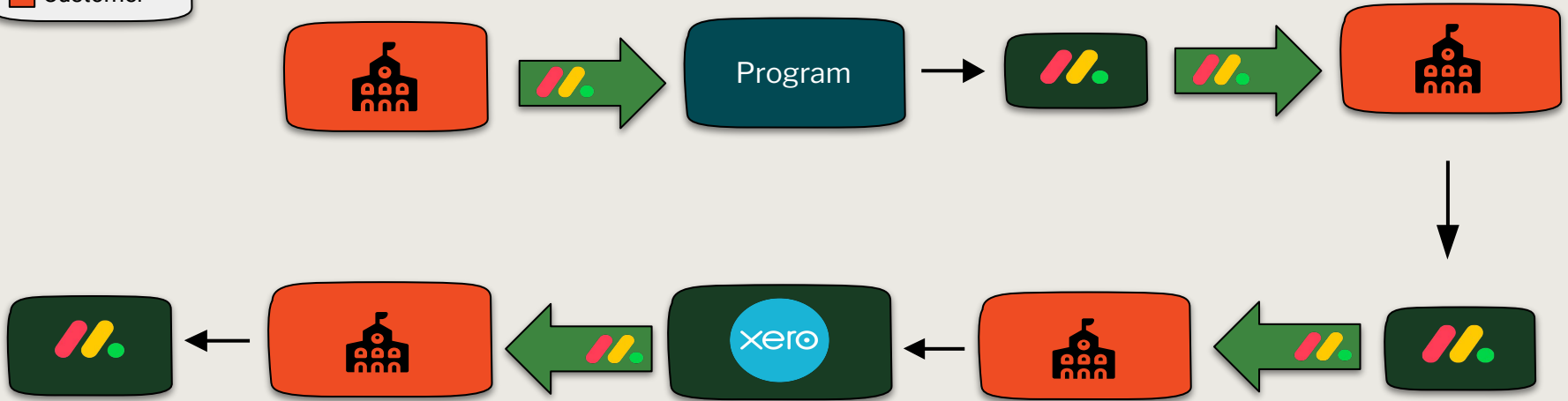
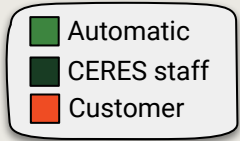
IMPROVING THE BOOKINGS PROCESS REQUIRED CONSULTATION WITH KEY STAKEHOLDERS ACROSS CERES



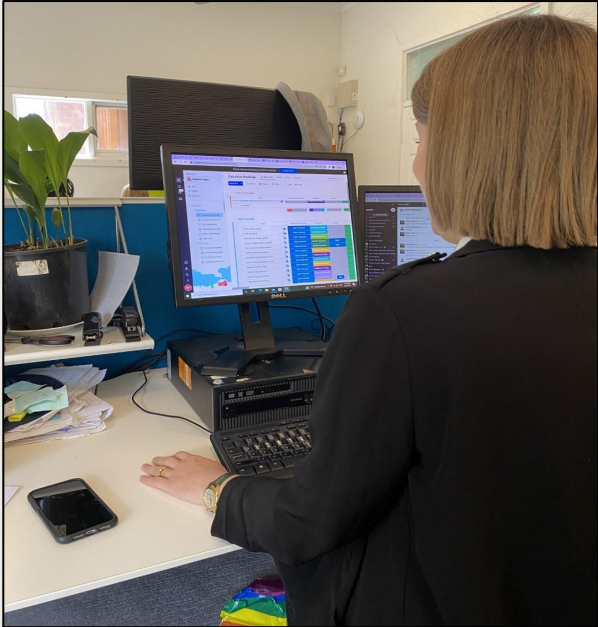
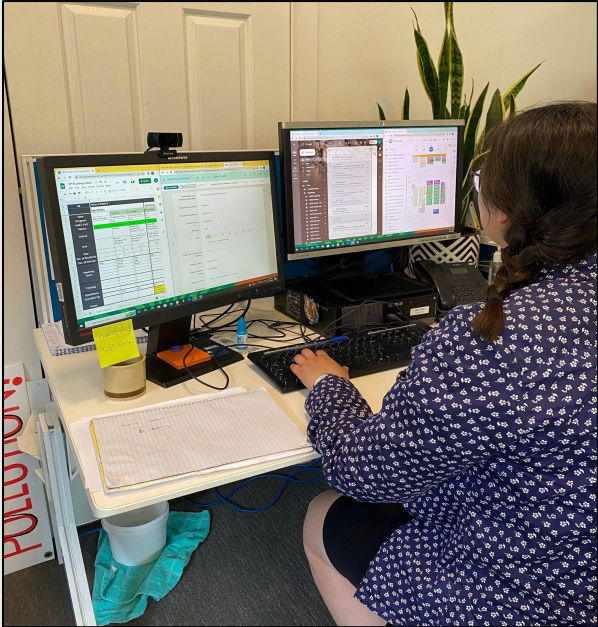
THE PREVIOUS BOOKING PROCESS WAS TIME CONSUMING DUE TO REPETITIVE DATA TRANSFER AND MINIMAL AUTOMATION



AUTOMATION AND DATA CENTRALIZATION REDUCED THE TIME NEEDED TO PROCESS A BOOKING



THE UPDATED SYSTEM ELIMINATED THE NEED FOR MULTIPLE SCREENS



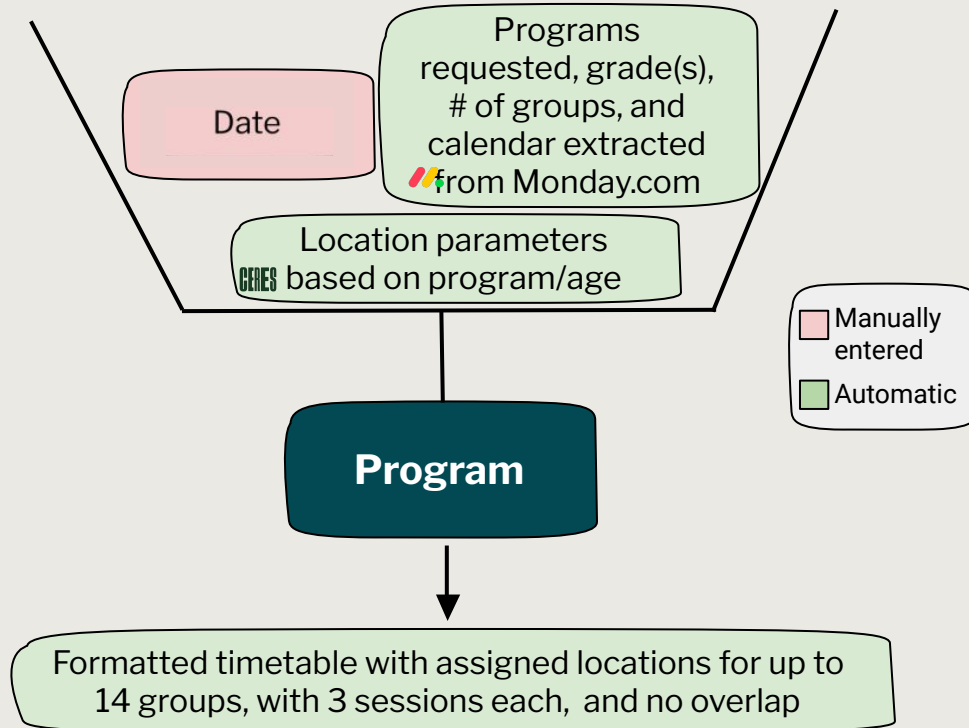
MONDAY.COM WORKSPACE WAS DESIGNED TO MAXIMIZE BOTH SIMILARITY AND IMPROVED EFFICIENCY

Enquiry status		906
● Processed		18
● Emailed, waiting on additional information		35
● Discontinued (Booking did not proceed)		198
● Confirmed		46
● Delivered		506
● Moved to Virtual Excursion		19
● Cancelled		82

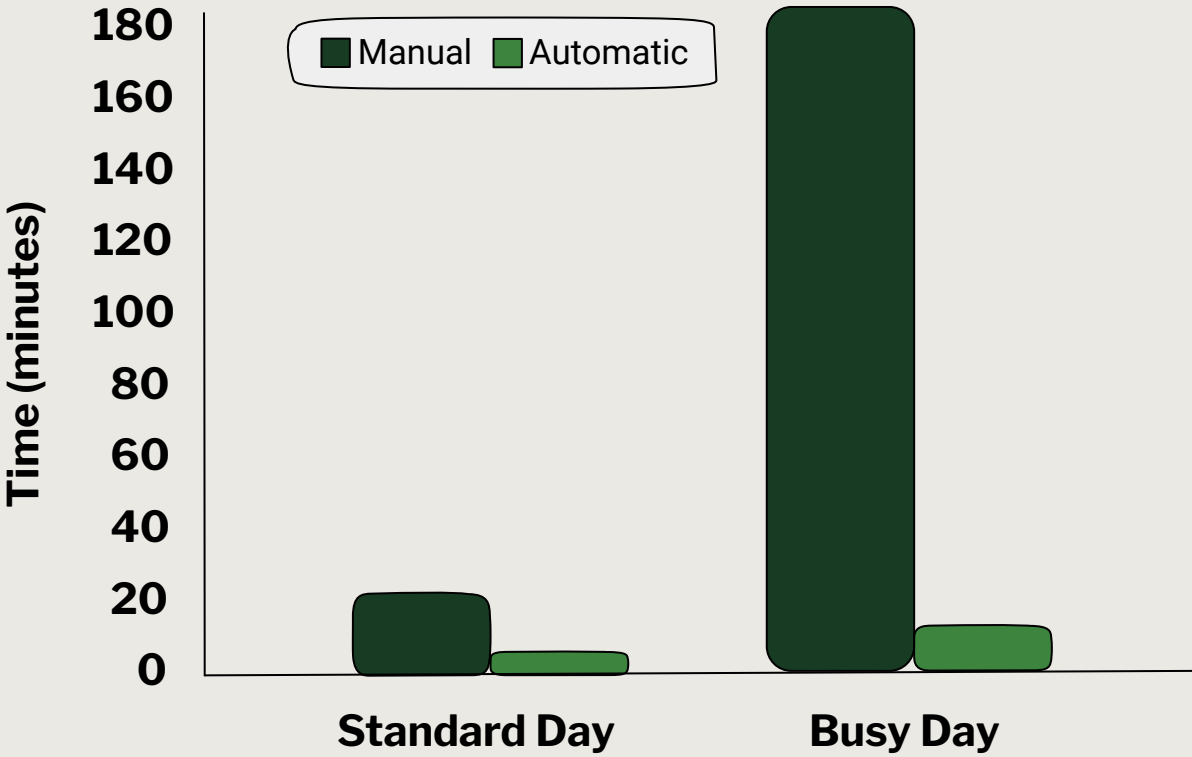


> To Be Processed	6 Items
> Date Proposed	16 Items
> Confirmed	12 Items
> To Be Invoiced	1 Item
> Ready to be Moved	3 Items
> Waitlist	No Items
> Discontinued	No Items
> Cancelled	No Items

AUTOMATIONS DESIGNED OUTSIDE OF MONDAY.COM IMPROVED EFFICIENCY

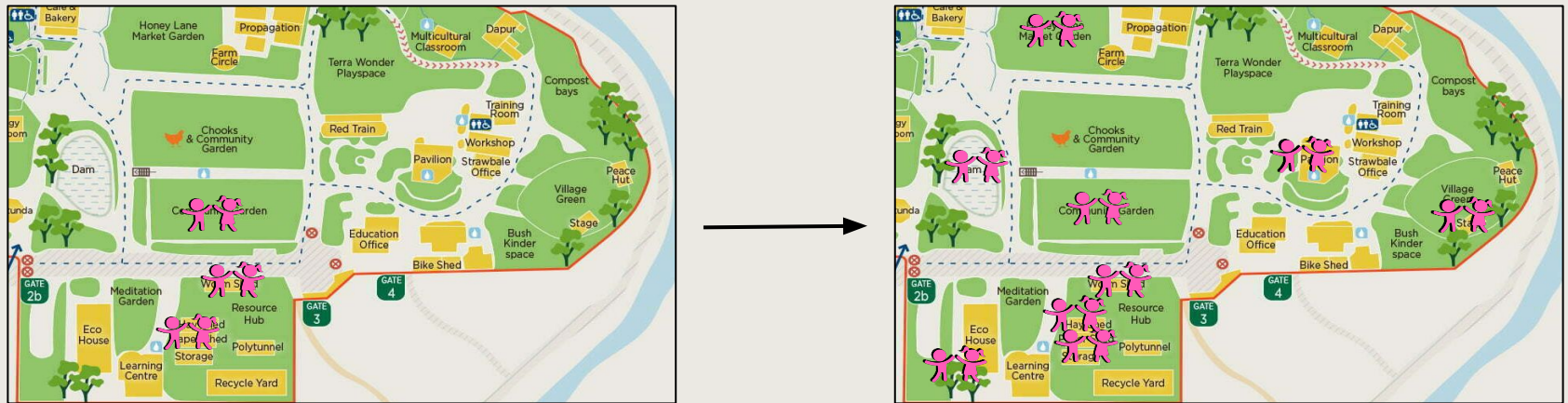


AUTOMATIONS DESIGNED OUTSIDE OF MONDAY.COM IMPROVED EFFICIENCY



SIMULATIONS ENABLED IMPROVED PROGRAM CAPACITY

+29% Program Capacity



Increased spatial capacity for Towards Zero Waste half-day excursions

SIMULATIONS ENABLED SITE OPTIMIZATION RECOMMENDATIONS

Towards Zero Waste

Grades F-4



Fit an additional group
in the *Merri Merri Clean
Up Walk*

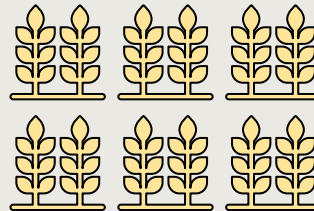


Farming for our Future

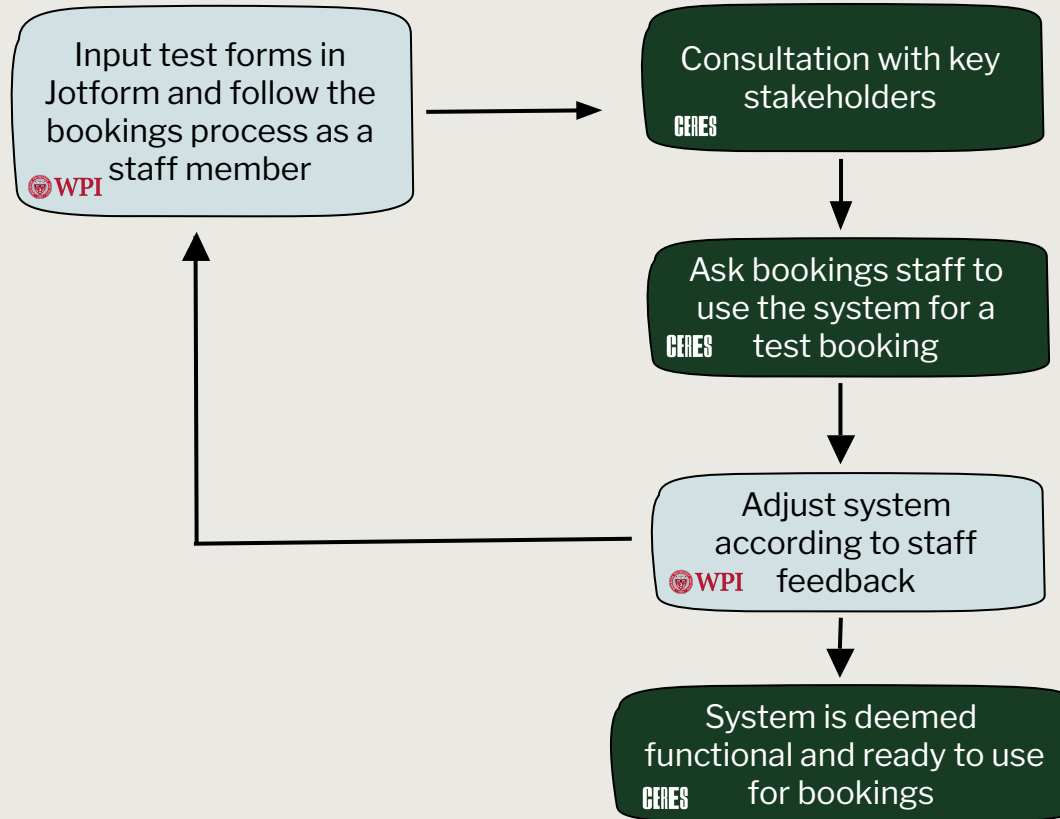
All grades




Stretch the chicken
space to handle 2 groups
for *In the Farm*



COMPREHENSIVE TRAINING WAS PERFORMED TO ENSURE COMFORT WITH THE NEW SYSTEM

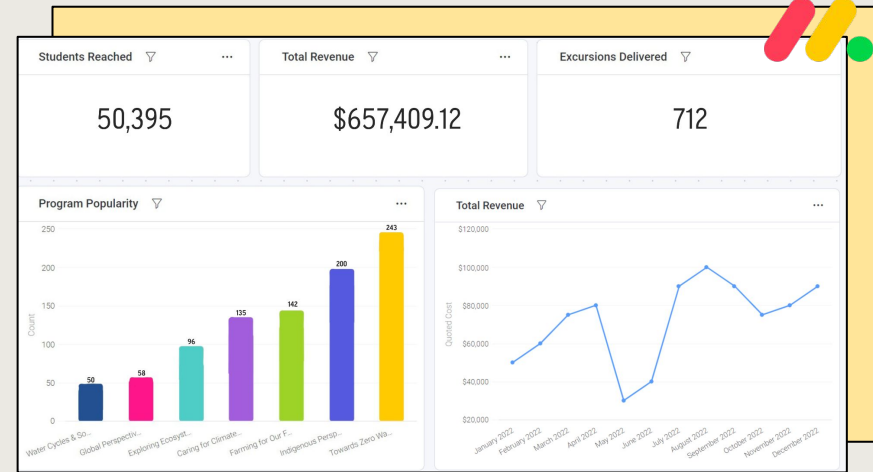


FEEDBACK AND BOOKING REPORTING WAS MADE A PRIORITY DUE TO THE CHALLENGES PRESENTED BY THE ORIGINAL SYSTEM

	Tue 06 Dec	
Type	Excursion	Excursion
Program	Water Cycles and Solutions	Towards Zero Waste
Half / Full	Full	Full
Status	Confirmed	Confirmed
School	St. Mary's PS	Wonga Park
Info	Year 4 Students: 98 Groups: 4	Year 3 Students: 46 Groups: 2
No. of Groups	4	2

Session Value	\$550	\$550
Group Value	\$2,200	\$1,100
REVENUE	\$2,200	\$1,100
Exc Full Day	\$2,200	\$1,100
Exc Half Day (inc ELG)	0	0
Inc	0	0
Site Tour	0	0
Virtual	0	0
Weekly Revenue		

Totals	
Exc Full Day	\$3,300.00
Exc Half Day (inc ELG)	\$0.00
Inc	\$0.00
Site Tour	\$0.00
Virtual	\$0.00
Weekly Revenue	\$1,100



AUTOMATING THE BOOKINGS PROCESS REDUCES TIME SPENT ON LOGISTICAL TASKS

531
hours/year → **28**
hours/year

Bookings	45 minutes/booking	→	<u>1.5 minutes/booking</u>
Timetable Generation	30 minutes/day	→	<u>5 minutes/day</u>
Reporting	5.5 hours/month	→	<u><1 minute/month</u>



SAVED TIME CAN BE USED TO ADVANCE ORGANIZATIONAL GOALS

503

hours/year saved

5

hours per excursion

101

additional days of teaching

7,575

additional students reached



RECOMMENDATIONS



Transition remaining Student Programs courses to Monday.com

Implement Monday.com for use in all CERES departments

Use the Student Programs framework for Teacher Programs' transition

ACKNOWLEDGEMENTS

CERES SCHOOL OF
NATURE
AND CLIMATE

Kate Green

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Professor Holly Ault

Professor Stephen McCauley



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