

MWPBA #	First Name	Last Name	Total Points
25081	Jack	Williamson	44
20162	Andrew	Lewis	27
20341	Joseph	Horwath	20
20023	Ben	Elliot	19
26076	Laureano	Thomas-Sanchez	11

Ohio Indoor						
MSR		6/8 M		H/J		
5		5		5		
std	1	std	1	std	1	
Plc	Pts	Plc	Pts	Plc	Pts	
5	1	5	1	3	3	
4	2	4	2	2	4	

Swinton		
MSR		
9		
std		1
Plc		Pts
1		6
4		3
5		2
4		3

St. Louis					
MSR		6/8 M		H/J	
3		3		3	
CS	2	CS	2	CS	2
PIC	Pts	PIC	Pts	PIC	Pts
1	6	3	2	2	4

Alma							
MSR		6/8 M		H/J			
4		4		5			
CS	2	CS	2	CS	2		
Plc	Pts	Plc	Pts	Plc	Pts		
2	6	2	6	2	8		
		4	2	4	4		

Chicago						
MSR		6/8 M		H/J		
15		13		15		
CS	2	CS	2	CS	2	
Plc	Pts	Plc	Pts	Plc	Pts	
4	6	1	12	3	8	
2	10	6	2	1	12	
				4	6	

Ohio Outdoor							
MSR		6/8 M		H/J			
6		6		6			
CS		CS		CS			
Plc	Pts	Plc	Pts	Plc	Pts		

Waukesha					
MSR		6/8 M		H/J	
CS	2	CS	2	CS	2
Plc	Pts	Plc	Pts	Plc	Pts

	Tony	Adkins	
	Thomas	Cangelosi	
	Andrew	Carlisle	
	Daniel	Carr	
	Liz	Cherry	
	Connor	Eckert	
	Nick	Hudson	
	Tyler	Johnson	
	Dan	Lyden	
	Derek	Midgley	
	Alastair	Murray	
	Alex	Pavlovic	
	Ryan	Praskovich	
	Palmer	Shonk	
	William	Shropshire	
	Andrew	Zhao	

1		2		5	
2		1		1	
3		3		4	

[illegible][illegible]

1		1		3	
3		3		1	

		4		
		5		
3			6	
1			5	
6		3		
5				
		2	2	

		1		1	
5		4		5	
1		2		2	
2		6			
3		3		3	
4		5		4	

[illegible]

MWPBA #	First Name	Last Name	Total Points
26025	Michael	Trenor	62
20184	Ben	Peterson	60
25003	Albert	DeFusco	52
26014	Meghan	McElhinny	52
9117	Andy	Douglas	41
20251	Thomas	McCollum	25
20013	Ray	Flanagan	20
25033	Tyler	Duncan	16
26052	Andrew	Spitsnogle	16
20022	Nathan	Wilds	6
20112	Joseph	Fischer	3
20924	Jacob	Layrock	2
20349	Henry	McCarthy	2
20928	Kevin	Neveau	1

Pts. Multiplier:

[illegible]

	Olivia	Corcoran	
	Karl	Fetter	
	David	Flaherty	
	Logan	Gorsuch	
	Gavin	Guidotti	
	Isabelle	Hogan	
	Roy	Huang	
	Abby	Long	
	Thompson	McConnell	
	Steve	McElhaney	
	Noah	Mittwer	
	Alexander	Walker	
	Noah	Mittwer	
	Steve	Moore	

WPB9A #	First Name	Last Name	Total Points
20315	Anthony	St Clair	60
20704	Byron	Voorheis	140
20704	Alan	Curran	70
20109	Jonathan	Snow	54
26046	John	Holland	51
25012	Sebastião	Ribeiro	34
20275	Katie	Peterson	30
20211	Justice	Brady	25
20014	Orin	Weiss	24
26136	Brendan	Allendorf	24
26044	Anne	Gallo	19
20189	Stella	Jacoby	16
20071	Michael	Kazmierki Dunn	10
20089	Tak	Tang	5

McHugh				
2/4 M			S/R	
3			3	
std	1		std	1
Plc	Pts		Plc	Pts
2	2		1	3
1	3		2	2
			3	1

[illegible][illegible][illegible][illegible]

Chicago															
2/4 M A		2/4 M B		6/8 M A		6/8 M B		5/R A		5/R B		Jig A		Jig B	
14	12	14	12	14	12	14	12	13	12						
CS	2	CS	2	CS	2	CS	2	CS	2	CS	2	CS	2	CS	2
Ptc	Ptc	Ptc	Ptc	Ptc	Ptc	Ptc	Ptc	Ptc	Ptc	Ptc	Ptc	Ptc	Ptc	Ptc	Ptc
	4 6			6 2				1 12				2 1			
	2 10			4 6				5 4				1 1			
2	10														
1	12		5 4			5 4						4 6			
						5 4				2 10					
			6 2								5 4				
												6 2			

[illegible][illegible][illegible]

	Alfred	Barrow
	Brigitta	Benroth
	Betsy	Bethel-McFarland
	Kevin	Carothers
	James	Douglas
	Amy	Howard
	Peter	Liu
	Cooper	Lloyd
	Travis	McEachern
	Danny	Parrish
	William	Pohn
	Joseph	Risola
	Christopher	Spagnolo
	Katya	Teodorovich
	Patrick	Towey

[illegible][illegible][illegible][illegible][illegible]

		3									6
5			4		3				3		
				3							
4											
			2								
				1		4				5	
		3			1			1			
	1		2			3				3	
		5									
3					4						
	6			5							4
6			1		2			2			

[illegible][illegible][illegible]

MVPs #	First Name	Last Name	Total Points
26001	Michael	Erwin	65
26015	Luke	Marinelli	52
20861	Boniface	Copelin	47
25022	Joseph	Kern	46
20929	Sydney	Lybert	46
25084	Eric	Poleski	43
20865	Dalton	Williams	42
25070	Leslie	Schier	36
20797	Michael	Braunsky	28
20297	Aidan	Rito	26
20258	Nolan	Schoenle	22
20075	John	Brady	18
26051	Lucas	Robinson	18
20090	Jim	Williamson	18
20048	Mark	Wymack	17
20848	Colleen	Ryan	16
20176	Lillian	Prince	15
20029	Michelle	Blam	13
20336	Michael	Huddle	10
26019	Jimmy	Wardle	9
20816	Adria	Fernandez	8
20096	Scott	Mueller	8
20925	Jim	Gibson	6
20326	Brett	Wax	6
20159	Mike	Hagerty	5
20845	Daniel	Nicla	3
20819	Daniel	Parry	2

[illegible][illegible][illegible][illegible]

Milwaukee					
2/4 M		6/8 M		S/R	
7 std Pic	1 Pts	6 std Pic	1 Pts	7 std Pic	1 Pts
5	2	2	5	5	2
3	4	1	6	3	4
2	5	4	3	1	6
1	6	5	2	2	5
6	1	6	1	4	3
4	3	3	4	6	1

[illegible][illegible]

Minnesota						
2/4 M		6/8 M		S/R		
std P/c	1 Pts	6 P/c	1 Pts	7 P/c	1 Pts	1 Pts
					1	6
		4	3	3	4	
5 1	2 6	5 1	2 6	6 1	6	1
2	5			2	5	
		2	5	4	3	
3 6 4	4 1 3				5 2	

[illegible]

	Chloe	Bloom	
	Casey	Buchanan-Smith	
	Samuel	Carson	
	Matteo	Cericola	
	Daniel	Croissant	
	Paul	Dalley	
	Jonas	Dillbeck	
	Evan	Elliot	
	Larry	Frederiksen	
	Zoe	Leslie	
	Sean	McCarthy	
	Thomas	McGovern	
	Lorraine	McInnes	
	Kim	Meek	
	Patrick	Neff	
	Rees	Parker	
	Laura	Romine	
	George	Smith	
	Adrian	Stuller	
	Adrian	Terkelson	
	Jesse	Tucker	

[illegible][illegible][illegible][illegible][illegible][illegible]

2		4			2		6		
					6				
								1	
6		1					2		
					3			6	
		3			5				
		5						3	
		6						5	
3				2			5		
				4					4

[illegible][illegible]

MWPB#	First Name	Last Name	Total Points
26042	Isabella	Jackson	70
26028	Tanner	Kline	58
26078	Meghan	Beveridge	49
25053	Jacob	Payne	48
20196	John	Adair	46
08992	Paul	Jones	44
20987	Jason	Silvey	38
20120	Paul	Napolitano	36
20327	Berg	Thy	31
20260	Patrick	Muscia	31
20780	Mitch	Williams	27
20550	Logan	Greficz	24
20250	Mike	McCollum	23
20043	Jose	Daefer	20
25068	Chris	Sclyton	17
20879	Geoffrey	Scigliano	16
26065	Dan	Kulhanek	14
20101	Linda	Bormya	14
20344	William	Zadra	13
08377	Duncan	Allen	12
20244	Maureen	Wallace	12
20012	Timothy	Hess	11
20117	Mica	Murdoch	11
20339	Ewan	Ferguson	10
20019	Colin	Gavin	10
20068	Jennilyn	Oster	10
26132	Elijah	Shepherd	10
20365	Brendan	Denison	8
20867	Thomas	Gallo	8
20272	Ed	Hanley	8
20031	Susan	Martin	8
25021	Jim	O'Brien	8
26004	Jake	Walzn	8
20065	Jennifer	Toussaint	7
25055	Curt	Atwell	6
25066	Jessie	Lu	6
20062	Allison	Hildebrand	6
20056	Kent	Brodie	5
20114	Colum	MacKinnon	4
20366	David	May	4
26020	Sabrina	Richert	4
20289	Gabriel	Holbrook	3
20201	Scott	Whitman	3
20882	Bob	Chaney	2
20890	Nathan	Hutchison	2
20842	Shannon	Lum	2
20874	Jessica	Troester	2
20777	Alex	Young	2
20799	Danielle	Freshwaters	1

[illegible]

St. Louis					
2/4 M			S/R		
1G	18				
CS	2	CS	2	CS	2
Ptc	Ptc	Ptc	Ptc	Ptc	Ptc
2	10	4	6		
1	12	2	10		
				1	12
5	4				
3	8	3	8		
				6	2
				5	4
4	6				
6	2				

[illegible][illegible][illegible][illegible]

Minnesota									
2/4 M A		2/4 M B		S/R A		S/R B			
11 std Plc	10 1 std Pts	10 1 std Pts	10 1 std Pts	10 1 std Pts	10 1 std Pts	11 std Plc	10 1 std Pts	10 1 std Pts	11 std Plc
		1	6				1	6	
				4	3	5	2	5	2
2	5				4	3	4	3	
		5	2	6	1	6	1		
		2	5						
					2	5	2	5	
4	3				3	4	3	4	
3	4				1	6			
			3	4					
1	6								
			6	1					
5	2								
6	1								

[illegible]

Christopher	Edwards	
Rebecca	Connor	
Robert	Delp	
Danielle	Desmarchais	
Timothy	Gatehouse	
Peter	Henderson	
John Paul	Howell	
Elliott	Jimenez	
Emerald	Leslie	
Joseph	Magliocca	
Michael	Magliocca	
David	Makin-Byrd	
Colin	McGovern	
Amy	McQuiston	
Maureen	Moore	
William	Neumann	
Aidan	Palmer	
Oban	Pitts	
Jeffrey	Stevenson	

[illegible]

2				2	
1				4	
		5			
		3			
		6			
		4		1	

[illegible][illegible][illegible][illegible]

MWPBA #	First Name	Last Name	Total Points
20899	John-Paul	Olszewski	42
26118	Meredith	Calhoun	39
20839	Taylor	Pulido	33
26003	Sebastian	Mattern	27
25059	Lillian	Duncan	18
26010	Aidan	Tolliver	17
20795	Keegan	Oster	14
26079	Atticus	Harr	9
26088	James	Chisholm	6
208036	Jack	Skelly	3

[illegible]

	Aaron	Crosser	
	Charlie	McKeown	
	Emily	Nunn	
	Uriel	Palmer	
	Patrick	Walker	
	Rhys	Weibel	

Figure 1 shows a sequence of 10 5x5 grids illustrating the evolution of a 2D Ising model. The grids show the state of spins (black for up, white for down) at each time step. The sequence starts with a random configuration and evolves towards a stable state where the system has separated into two distinct phases (all black or all white).

Piping, Light Music - Grade 5 Sr.

MWPBA #	First Name	Last Name	Total Points
26095	David	Thao	17
20883	Mary	McGinley	13
26104	James	Murray	12
20898	Paul	Olszewski	12
25023	Larry	Darnell	10
26128	Connor	Adams	8
26099	Ferdinand	Mienie	8
26035	Stephen	Poteet	8
25083	Andrew	Spivey	8
26086	Heather	Bejenaru	6
20372	Richard	Johnston	6
26031	Amanda	Miller	6
20914	Rydel	Van Dyke	6
20815	Maura	Welch	6
20166	David	Zimmerman	6
26037	Drew	Hampton	4
25027	Sean	O'Malley	4
26127	Skye	Valerio	4
26038	Wayne	Hietpas	3
26110	Kathryn	Blakeslee	2
26134	John	Dougherty	2
20261	Lynn	Christiansen	1
20293	David	Dwyer	1
26126	Nac	Nathan	1

OUT OF ASSOCIATION:

	Scott	Boyd	
	Eric	Pham	

Completed:
Pts. Multiplier:

McHugh	OH ID	STL	Alma	MKE	Chicago	OH OD	MN	WI
2/4 M	2/4 M	2/4 M	2/4 M	2/4 M	2/4 M	2/4 M	2/4 M	2/4 M
1	2	5	6	3	9	4	6	
std 1	std 1	CS 2	CS 2	std 1	CS 2	CS 2	std 1	CS 2
Plc Pts	Plc Pts	Plc Pts	Plc Pts	Plc Pts	Plc Pts	Plc Pts	Plc Pts	Plc Pts
					1 12		2 5	
		5 2			3 8		4 3	
			1 12					
			2 10		6 2			
		1 10						
						1 8		
		2 8						
	1 2					2 6		
			3 8					
			4 6					
		3 6						
		4 4					1 6	
							5 2	
					4 6			
				2 2	5 4			
			5 4					
							3 4	
				1 3		3 4		
			6 2					
						4 2		
				3 1				
1 1								
							6 1	

	2							
					2			

Piping, Light Music - Grade 5 Jr.

MWPBA #	First Name	Last Name	Total Points
25051	Lillian	Spivey	30
25072	Joshua	Beveridge	16
26032	Rory	Fuller	13
26100	Reyna	Hormel	12
26007	Jack	Cossel	11
26085	Johnathon	Alton	10
25080	Adriana	Drake	8
26016	Tony	McGowan	6
20922	Connor	Johnson	4
25058	Victoria	Thompson	2
26006	Logan	Wertman	1

Completed:

Pts. Multiplier:

McHugh	OH ID	STL	Alma	MKE	Chicago	OH OD	MN	WI
2/4 M	2/4 M	2/4 M	2/4 M	2/4 M	2/4 M	2/4 M	2/4 M	2/4 M
1	3	1	6	2	5	5	1	
std 1	std 1	CS 2	CS 2	std 1	CS 2	CS 2	std 1	CS 2
Plc Pts	Plc Pts	Plc Pts	Plc Pts	Plc Pts	Plc Pts	Plc Pts	Plc Pts	Plc Pts
			1 12		2 8	1 10		
1 1.0			2 10	2 1	4 4			
				1 2	1 10		1 1	
			4 6		3 6			
	1 3					2 8		
			3 8			5 2		
			6 2			3 6		
	2 2					4 4		
			5 4					
		1 2						
	3 1							

Piping, Piobaireachd - Open

MWPBA #	First Name	Last Name	Total Points
20023	Ben	Elliot	9
26076	Laureano	Thomas-Sanchez	2
25081	Jack	Williamson	2

OUT OF ASSOCIATION:

	Andrew	Carlisle	
	Thomas	Cangelosi	
	Daniel	Carr	
	Liz	Cherry	
	Connor	Eckert	
	Nick	Hudson	
	Tyler	Johnson	
	Dan	Lyden	
	Derek	Midgley	
	Alastair	Murray	
	Alex	Pavlovic	
	Ryan	Praskovich	
	Palmer	Shonk	
	William	Shropshire	
	Andrew	Zhao	

Competed:

Pts. Multiplier:

OH ID	STL	Alma	Chicago	OH OD	WI
Piob	Piob	Piob	Piob	Piob	Piob
5	3	3	15	6	
CS 1	CS 2	CS 2	CS 2	CS 2	CS 2
Plc Pts	Plc Pts	Plc Pts	Plc Pts	Plc Pts	Plc Pts
3 3		1 6			
4 2					
	3 2				

	1				
			6	6	
				4	
	2				
		3			
2				3	
			3		
1			5	2	
		2	1	1	
				5	
			4		
			2		

Piping, Piobaireachd - Grade 1

MWPBA #	First Name	Last Name	Total Points
25003	Albert	DeFusco	26
26025	Michael	Trenor	21
20184	Ben	Peterson	18
9117	Andy	Douglas	14
20109	Jonathan	Snow	10
20013	Ray	Flanagan	8
20924	Jacob	Layrock	8
20251	Thomas	McCollum	7
20112	Joseph	Fischer	5
20089	Tak	Tang	2
20349	Henry	McCarthy	1
20928	Kevin	Neveau	1

OUT OF ASSOCIATION:

	Olivia	Corcoran	
	Karl	Fetter	
	David	Flaherty	
	Logan	Gorsuch	
	Roy	Huang	
	Abby	Long	
	Steve	McElhaney	
	Steve	Moore	
	Alexander	Walker	

Completed:

Pts. Multiplier:

McHugh	OH ID		STL		Alma		MKE		Chicago				OH ID		MN		WI	
Piob	Piob		Piob		Piob		Piob		Piob A		Piob B		Piob		Piob		Piob	
1	7		1		5		1		13		10		7		2			
std	std	1	CS	2	CS	2	std	1	CS	2	CS	2	CS	2	std	1	CS	2
Plc	Plc	Pts	Plc	Pts	Plc	Pts	Plc	Pts	Plc	Pts	Plc	Pts	Plc	Pts	Plc	Pts	Plc	Pts
					1	10			4	6			2	10				
	2	5									5	4	1	12				
			1	2							3	8	3	8				
	1	6			5	2							4	6				
	3	4			4	4							6	2				
					2	8												
	6	1			3	6			3	8								
								1	1	5	4							
															1	2		
															2	1		
1		1																

						1					
					2						
	5							5			
					6						
	4				1						
						4					
						6					
						2					

MWPBA #	First Name	Last Name	Total Points
26014	Meghan	McElhinney	35
26046	John	Holland	15
26034	Alan	Curran	6
20189	Stella	Jacoby	5
20071	Michael	Kazmierski Dunn	2

Pts. Multiplier:

[illegible]

	Alfred	Barrow	
	Brigitta	Benroth	
	Kevin	Carothers	
	Robert	Delp	
	Evan	Elliott	
	Isabelle	Hogan	
	Amy	Howard	
	Peter	Liu	
	Cooper	Lloyd	
	Travis	McEachern	
	Danny	Parrish	
	Katya	Teodorovich	
	Patrick	Towey	
	Brandon	Ward	

[illegible]

MWPBA #	First Name	Last Name	Total Points
26001	Michael	Erwin	18
20929	Sydney	Lybert	18
20780	Meghan	Beveridge	15
20048	Mark	Waymack	15
26015	Luke	Marinelli	14
20275	Justice	Peterson	13
20209	Michelle	Blam	12
25012	Sebastião	Ribeiro	12
25084	Eric	Poleski	11
20075	John	Brady	10
20248	Cliff	Ermatinger	10
20797	Michael	Braunsky	8
20085	Martha	Davis	8
20211	Katie	Brady	7
20336	Michael	Huddle	5
20845	Daniel	Nicla	4
20816	Adria	Fernandez	2
20925	Jim	Gibson	2
20297	Aidan	Rito	2
26051	Lucas	Robinson	1

[illegible]

CEC's Assistant	Matteo	Cericola	
	Casey	Buchanan-Smith	
	Samuel	Carson	
	Jonas	Dillbeck	
	Larry	Frederiksen	
	Chris	Hayes-Nolin	
	Eileen	Howe	
	Zoe	Leslie	
	Kim	Meek	
	Patrick	Neff	
	Christine	Nolin	
	Reese	Parker	
	Laura	Romine	
	George	Smith	
	Samuel	Spear	
	Andra	Stoller	
	Adrian	Terkelson	

[illegible]

MWPBA #	First Name	Last Name	Total Points
26028	Tanner	Kline	31
20196	John	Adair	28
20849	Joe	Butler	26
20899	John-Paul	Olaszewski	24
20120	Paul	Napolitano	22
20250	Mike	McCollum	20
26042	Isabella	Jackson	16
20865	Dalton	Williams	16
20874	Jessica	Troester	15
26118	Meredith	Calhoun	12
20176	Lillian	Prince	12
20019	Colin	Gavin	10
20987	Jason	Silvey	10
25068	Chris	Layton	9
26035	Stephen	Poteet	9
20839	Taylor	Pulido	9
26004	Jake	Wainz	8
20861	Boniface	Copelin	7
20787	Mitch	Williams	7
26055	Matthew	Hubbard	6
26003	Sebastian	Mattern	6
20049	Tim	Young	6
26001	Michael	Erwin	5
25055	Curt	Atwell	4
20844	Larry	Pettersen	4
20201	Scott	Whitman	4
20892	Paul	Jones	3
20864	Mike	Householder	2
20372	Richard	Johnston	2
20068	Jennilyn	Oster	2
20795	Keegan	Oster	2
26031	Amanda	Miller	1

[illegible]

	Aaron	Crosser	
	Jared	Ferguson	
	Timothy	Gatehouse	
	Lara	Haase	
	John Paul	Howell	
	Rhian	Kenny	
	Emerald	Leslie	
	Joseph	Magliocca	
	Rashad	Mahmood	
	Charlie	McKeown	
	Maureen	Moore	
	William	Neumann	
	Emily	Nunn	
	Christopher	O'Sullivan	
	Alex	Phillips	
	Jeffrey	Stevenson	
	Rhys	Weibel	
	David	Yew	

Figure 1 shows a 10x10 grid of 100 cells. Each cell contains a unique grayscale pattern. The patterns are arranged in a grid where the first column has the lightest patterns and the last column has the darkest patterns. The patterns are numbered 1 through 6, indicating different levels of grayscale intensity.

Piping, Light Music - Open

MWPBA #	First Name	Last Name	Total Points
25063	Cameron	Bolley	12
20923	Adam	Tardif	10

OUT OF ASSOCIATION:

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Competed:
Pts. Multiplier:

Ohio Indoor			
MSR		H/J	
1		1	
std	1	std	1
Plc	Pts	Plc	Pts
1	1	1	1

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St. Louis			
MSR		H/J	
1		1	
CS	2	CS	2
Plc	Pts	Plc	Pts
1	2	1	2

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Alma			
MSR		H/J	
1			
CS	2	CS	2
Plc	Pts	Plc	Pts

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Chicago			
MSR		H/J	
2		2	
CS	2	CS	2
Plc	Pts	Plc	Pts
1	4	1	4
2	2	2	2

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OH Outdoor			
MSR		H/J	
1		1	
CS	2	CS	2
Plc	Pts	Plc	Pts
1	2	1	2

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Waukesha			
MSR		H/J	
CS	2	CS	2
Plc	Pts	Plc	Pts

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MWPBA #	First Name	Last Name	Total Points
20781	Antonio	Amram	38
26043	Quinn	Faith	33
25002	Bill	McKee	12
26069	Cameron	Sinibaldi	9

OUT OF ASSOCIATION:

	Matt	Biggs	
	Kevin	Dill	
	Colin	Humphrey	
	Andrew	Koupal	

Ohio Indoor					St. Louis					Alma					Milwaukee					Chicago					Ohio Outdoor					Minnesota					Wisconsin														
MSR					H/J					MSR					H/J					MSR					H/J					MSR					H/J					MSR					H/J				
2	std	1	std	1	1		1		2		2		std	1	std	1	7		6		3		3		1		1						CS	2	CS	2	CS	2	CS	2									
Plc	Pts	Plc	Pts	CS	2	CS	2	Plc	Pts	Plc	Pts	Plc	Pts	Plc	Pts	Plc	Pts	Plc	Pts	Plc	Pts	Plc	Pts	std	1	std	1	CS	2	CS	2	Plc	Pts	Plc	Pts	Plc	Pts	Plc	Pts										
1	2	2	1					2	2	2	2					2	10	1	12	1	6	1	6																										
2	1	1	2	1	2	1	2			1	4					3	8	3	8	2	4	3	2	1	1	1	1																						
																		4	6	3	2	2	4																										

MWPBA #	First Name	Last Name	Total Points
26017	Rylie	Valley	29
20313	Andrew	Keppel	24
26053	Ken	Decker	21
20241	Tony	Todero	14
20174	Liam	Leasure	5
26033	Shaun	Schuetz	2

Pts. Multiplier:

Ohio Indoor				
MSR			H/J	
3			3	
std	1	std	1	
Plc	Pts	Plc	Pts	
1	3	2	2	
2	2	1	3	
3	1	3	1	

Alma				
MSR		H/J		
3		3		
CS	2	CS	2	
Plc	Pts	Plc	Pts	
2	4	3	2	
3	2	1	6	
1	6	2	4	

Milwaukee				
MSR			H/J	
2			2	
std	1		std	1
Plc	Pts		Plc	Pts
1	2		1	2
2	1		2	1

Chicago			
MSR		H/J	
7		4	
CS	2	CS	2
Plc	Pts	Plc	Pts
3	8	3	4
		1	8
4	6	4	2
5	4		

Ohio Outdoor				
MSR			H/J	
2			2	
CS	2		CS	2
Plc	Pts		Plc	Pts
2	2		1	4
1	4		2	2

Minnesota				
MSR			H/J	
3			2	
std	1		std	1
P/c	Pts		P/c	Pts
1	3		2	1
2	2		1	2
3	1			

[illegible]

	Nicholas	Lawyer	
	Ulises	Reyes	
	Henry	Stockett	

1			
2			
6		2	

MWPBA #	First Name	Last Name	Total Points
20804	Kyle	Womelduff	19
20188	Scarlett	Jacoby	17
26029	Jim	Kilburg	8
20344	Garrett	Russell	4
20317	Alyssa	Allegretti	2

	Elisha	Jimenez	
	Ian	Calder	
	Stephen	Dick	
	Brenden	Good	
	Tate	Mauzy	
	Ruairidh	McWilliam	

Pts. Multiplier:

[illegible]

The figure shows eight 5x5 grids illustrating the construction of a Latin square. The grids are numbered 1 through 8. The first row of all grids is filled with the numbers 1, 2, 3, 4, 5. The subsequent rows are filled in a way that ensures each column contains all five numbers. The grids show the step-by-step process of filling the rows, with some cells highlighted in grey to indicate the current focus or a specific pattern.

MWPBA #	First Name	Last Name	Total Points
26062	Evan	Johnston	41
26018	Lexey	Wardle	26
20916	Arthur	Elliott	21
26005	Timothy	Sleeman	16
20822	Rosie	Leasure	15
20812	Kristina	Guevara	13
26056	James	Bigley	12
25024	Evy	Mroz	12
26008	Evan	Tolliver	10
26047	Fiona	Conway	8
20871	William	Scigiliano	8
26075	Crosby	Marty	7
48025	Ian	Rito	4
20287	Steven	MacDougall	2
26120	Zoey	Baczynski	1

Pts. Multiplier:

[illegible]

	Wulf	Benroth	
	Arden	Dailey	
	Keith	Dauson	

Tenor, Advanced

MWPBA #	First Name	Last Name	Total Points
20232	Katie	Byzewski	6

OUT OF ASSOCIATION:

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Competed:

Pts. Multiplier:

Alma				
MSR			H/J	
CS	2	CS	2	
Plc	Pts	Plc	Pts	

Milwaukee			
MSR		H/J	
std	1	std	1
Plc	Pts	Plc	Pts

Chicago			
MSR		H/J	
1		1	
CS	2	CS	2
Plc	Pts	Plc	Pts
1	2	1	2

Minnesota			
MSR		H/J	
1		1	
std	1	std	1
Plc	Pts	Plc	Pts
1	1	1	1

Wisconsin			
MSR		H/J	
CS	2	CS	2
Plc	Pts	Plc	Pts

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Tenor, Intermediate

MWPBA #	First Name	Last Name	Total Points
20298	Kim	Sievwright	12
25048	Brianne	Giddis	6
20062	Allison	Hildebrand	6
20831	Alan	Buchanan	2

OUT OF ASSOCIATION:

	Felisha	Gomez	
	Thomas	Husung	
	Cori	Kirkland	
	Angela	Liu	

Competed:
Pts. Multiplier:

Alma	MKE	Chicago	OH OD	MN	WI	IN	OK
MSR	MSR	MSR	MSR	MSR	MSR	MSR	MSR
2	2	9	2	1			
CS	std	CS	CS	std	CS	std	std
Plc	Plc	Plc	Plc	Plc	Plc	Plc	Plc
	1	3	2				
2			1				
1		6					
	2			1			

Diagram illustrating the sequence of numbers 2, 1, 4, 5 in a 2x5 grid. The grid is divided into two rows and five columns. The top row contains the numbers 2, 1, 4, and 5 in the first four columns, respectively. The bottom row is shaded gray. The fifth column is also shaded gray.

Tenor, Novice

MWPBA #	First Name	Last Name	Total Points
20313	Andrew	Keppel	18
26021	Jessica	Howard	16
25095	Kagan	Gullickson	12
20773	Ian	Hess	12
26039	E.J.	McNaughton	10
20317	Alyssa	Allegretti	9
26036	Theresa	Henry	3

OUT OF ASSOCIATION:

	Jedidiah	Massey	
	Joseph	Rocco	

Competed:
Pts. Multiplier:

OH ID	STL	Alma	MKE	CHI	OH OD	MN	WI
2/4 M	2/4	2/4	2/4	2/4	2/4	2/4	2/4
3	1	2	4	7	3	4	
std 1	CS 2	CS 2	std 1	CS 2	CS 2	std 1	CS 2
Plc Pts	Plc Pts	Plc Pts	Plc Pts	Plc Pts	Plc Pts	Plc Pts	Plc Pts
			2 3	1 12		2 3	
2 2		1 4		3 8	3 2		
				2 10		3 2	
			1 4	5 4		1 4	
1 3	1 2		4 1		2 4		
			3 2	4 6		4 1	
3 1		2 2					
				6			
				1			

Bass, Advanced

MWPBA #	First Name	Last Name	Total Points
20902	Joanne	Sherry	7
20201	Scott	Whitman	3

OUT OF ASSOCIATION:

	Joanne	Sherry	
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Competed:
Pts. Multiplier:

STL	Alma	MKE	Chicago	OH OD	MN	WI
MSR	MSR	MSR	MSR	MSR	MSR	MSR
1		1	2		1	
CS	CS	std	CS	CS	std	CS
Plc	Plc	Plc	Plc	Plc	Plc	Plc
1			1		1	
		1	2			

Bass, Intermediate

MWPBA #	First Name	Last Name	Total Points
20166	David	Zimmerman	5

OUT OF ASSOCIATION:

	Sean	Stewart	
	Lauren	Lane	
	Jason	Litz	
	Andrew	Koupal	

Competed:
Pts. Multiplier:

Alma	MKE	Chicago	MN	WI
MSR	MSR	MSR	MSR	MSR
		5	1	
CS 2	std 1	CS 2	std 1	CS 2
Plc Pts	Plc Pts	Plc Pts	Plc Pts	Plc Pts
		4 4	1 1	
		1		
		5		
		2		
		3		

Bass, Novice

MWPBA #	First Name	Last Name	Total Points
26039	E.J.	McNaughton	10
26070	Sheryl	Kelley	7
20919	Russell	Loucks	3

OF ASSOCIATION:

	Sean	McCarthy	
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Competed:
Pts. Multiplier:

OH IN	STL	Alma	MKE	Chicago	OH OD	MN	WI
2/4 M	2/4 M	2/4 M	2/4 M	2/4 M	2/4 M	2/4 M	2/4 M
2	1		2	2	2	1	
std	CS	CS	std	CS	CS	std	CS
Plc	Plc	Plc	Plc	Plc	Plc	Plc	Plc
	1		1	1	2		
1			2		1		
				2		1	
2							