WSLA

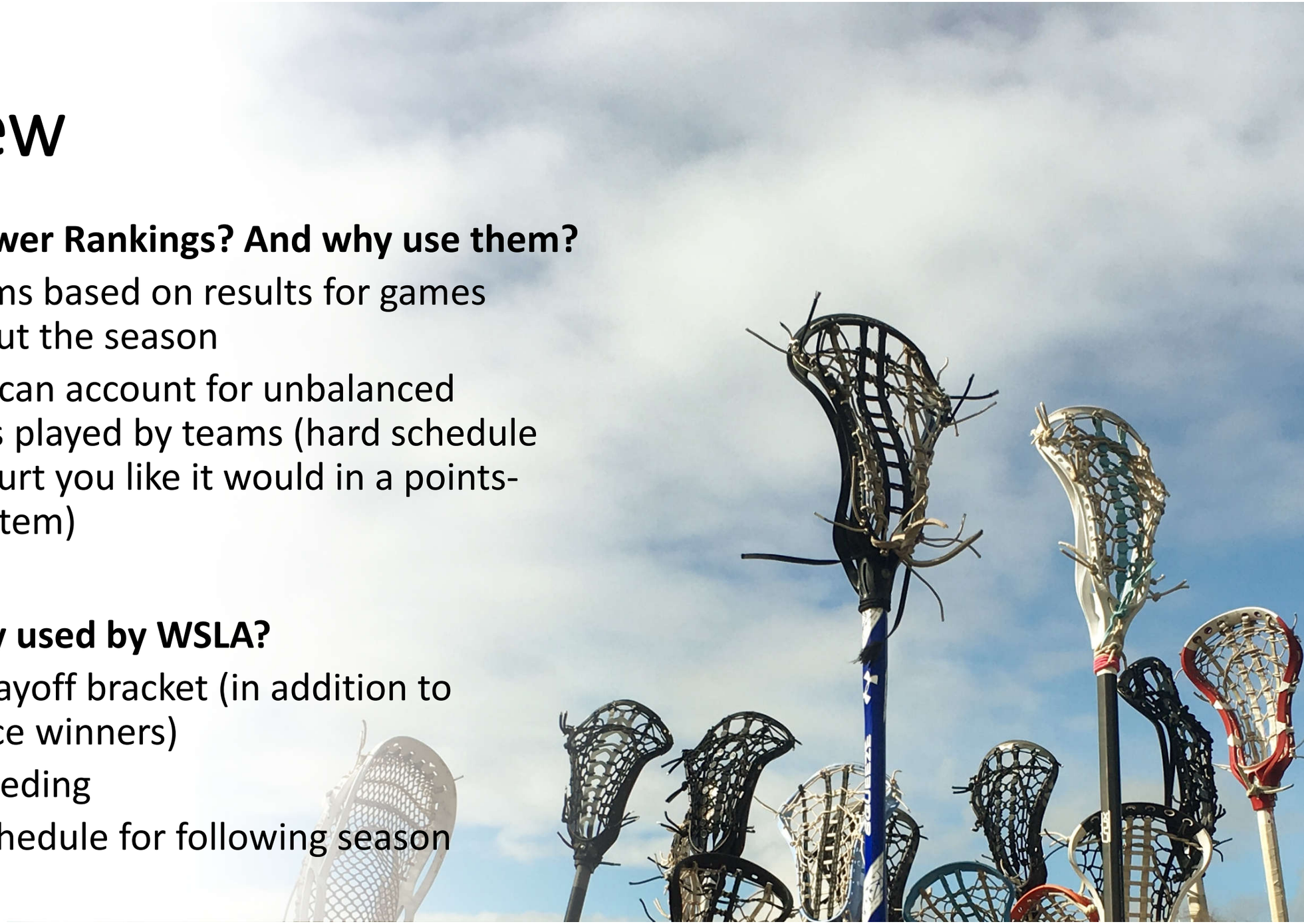
Girls Varsity Power Rankings Webinar

March 4, 2024

Overview

- **What are Power Rankings? And why use them?**
  - Rank teams based on results for games throughout the season
  - Rankings can account for unbalanced schedules played by teams (hard schedule doesn't hurt you like it would in a points-based system)

- **How are they used by WSLA?**
  - Fill out playoff bracket (in addition to conference winners)
  - Playoff seeding
  - Inform schedule for following season



Power Rankings

Washington State Girls Lacrosse 2023 Power Rankings

Final Rankings (includes playoffs)

Team	Conference	Rank	Normalized Power Rank	Overall Team Record			Games Played	Strength of Schedule	% Games > 7 Goal Diff
				Wins	Losses	Ties			
Mercer Island	Snoqualmie	1	50.0	14	1	0	15	25.9	80%
Seattle Academy	Independent	2	42.8	15	1	0	16	26.7	63%
Roosevelt	Metro	3	34.0	13	3	0	16	25.5	63%
ISD	Snoqualmie	4	31.8	10	4	1	15	28.4	40%
Woodinville	North Sound	5	31.6	12	2	0	14	24.1	71%
Seattle Prep	Independent	6	29.7	8	5	0	13	28.4	46%
Lake Samm	Snoqualmie	7	28.7	9	5	0	14	26.3	57%
Eastlake	Snoqualmie	8	26.6	7	6	1	14	27.8	50%
Eastside Catholic	Independent	9	24.7	8	4	0	12	23.2	50%
Peninsula SD	Peninsula	10	23.9	8	4	1	13	20.7	31%

Notes:

Goal differential is capped at 7 goals (i.e., there is no advantage in the Power Rankings to beating at team by more than 7 goals).

Strength of schedule is equal to the average normalized PR for a team's opponents.

Forfeits are not included in the power rankings or in team records.

How it Works…

Team	Conference	Rank	Normalized Power Rank
Mercer Island	Snoqualmie	1	50.0
Seattle Academy	Independent	2	42.8
Roosevelt	Metro	3	34.0
ISD	Snoqualmie	4	31.8
Woodinville	North Sound	5	31.6
Seattle Prep	Independent	6	29.7
Lake Samm	Snoqualmie	7	28.7
Eastlake	Snoqualmie	8	26.6
Eastside Catholic	Independent	9	24.7
Peninsula SD	Peninsula	10	23.9

- **Expected vs. actual results**
  - Power rankings work by calculating the “expected results” between two teams and comparing them with the actual results.
  - Rankings try to minimize the “error” between these two values for all games across the entire season.
- **Example: ISD vs. Seattle Prep**
  - Actual result: ISD won 14-10 (4 goal difference)
  - Expected:
    - Power rankings: ISD “should” score 52% of goals in the game
    - Expected score: ISD wins 12.6 to 11.4
    - Conclusion: ISD did slightly better than expected (although similar!)

Another Example…

- **Example: Lake Samm vs. Eastlake**
  - Actual result: Eastlake won 15-2 (13 goal difference)
  - Expected:
    - Power rankings: Lake Samm “should” score 52% of goals in the game
    - Expected score: Lake Samm “should” win 8.8-8.2 (< 1 goal difference)
    - Conclusion: Eastlake did MUCH better than expected – high level of error.

Team	Conference	Rank	Normalized Power Rank
Mercer Island	Snoqualmie	1	50.0
Seattle Academy	Independent	2	42.8
Roosevelt	Metro	3	34.0
ISD	Snoqualmie	4	31.8
Woodinville	North Sound	5	31.6
Seattle Prep	Independent	6	29.7
Lake Samm	Snoqualmie	7	28.7
Eastlake	Snoqualmie	8	26.6
Eastside Catholic	Independent	9	24.7
Peninsula SD	Peninsula	10	23.9

End of Season Review

Date	TEAM 1	Team 1 Score	Team 2	Team 2 Score	Actual Difference	Predicted Difference
5/8/2023	Seattle Academy	20	Puyallup	7	13	11.3
5/8/2023	Woodinville	17	Bainbridge Island	10	7	3.9
5/8/2023	Mercer Island	18	Spokane Stealth	1	17	10.6
5/8/2023	ISD	15	SnoLax	6	9	3.4
5/9/2023	Seattle Prep	17	Lakeside	5	12	2.6
5/9/2023	Eastlake	11	Peninsula SD	10	1	1.1
5/9/2023	Roosevelt	15	Mount Si	7	8	4.0
5/9/2023	Lake Samm	15	Eastside Catholic	13	2	2.1
5/11/2023	Mercer Island	20	Eastlake	2	18	6.7
5/11/2023	ISD	10	Lake Samm	9	1	1.0
5/12/2023	Seattle Prep	8	Seattle Academy	11	-3	-3.4
5/12/2023	Roosevelt	15	Woodinville	12	3	1.0
5/16/2023	ISD	7	Seattle Academy	18	-11	-3.7
5/16/2023	Mercer Island	6	Roosevelt	7	-1	2.5
5/19/2023	Roosevelt	8	Seattle Academy	17	-9	-2.9

End of Regular Season

Team	Rank	Normalized Power Rank
Mercer Island	1	50.00
Seattle Academy	2	41.21
ISD	3	31.92
Woodinville	4	31.88
Roosevelt	5	31.52
Lake Samm	6	29.16
Seattle Prep	7	27.82
Eastlake	8	26.17
Peninsula SD	9	24.49
Lakeside	10	24.38

After Playoffs

Team	Rank	Normalized Power Rank
Mercer Island	1	50.0
Seattle Academy	2	42.8
Roosevelt	3	34.0
ISD	4	31.8
Woodinville	5	31.6
Seattle Prep	6	29.7
Lake Samm	7	28.7
Eastlake	8	26.6
Eastside Catholic	9	24.7
Peninsula SD	10	23.9

Supplemental Slides

Power Rankings – End of 2023 Regular Season

Team	Conference	Rank	Normalized Power Rank	Overall Team Record			Games Played	Strength of Schedule	% Games > 7 Goal Diff
				Wins	Losses	Ties			
Mercer Island	Snoqualmie	1	50.00	12	0	0	12	26.0	83%
Seattle Academy	Independent	2	41.21	11	1	0	12	25.9	58%
ISD	Snoqualmie	3	31.92	8	3	1	12	27.5	33%
Woodinville	North Sound	4	31.88	11	1	0	12	23.4	83%
Roosevelt	Metro	5	31.52	10	2	0	12	21.3	67%
Lake Samm	Snoqualmie	6	29.16	8	4	0	12	25.9	67%
Seattle Prep	Independent	7	27.82	7	4	0	11	27.2	45%
Eastlake	Snoqualmie	8	26.17	6	5	1	12	26.4	50%
Peninsula SD	Peninsula	9	24.49	8	3	1	12	19.9	33%
Lakeside	Independent	10	24.38	6	6	0	12	26.8	42%
Eastside Catholic	Independent	11	24.14	8	3	0	11	22.2	55%
Mount Si	Snoqualmie	12	24.10	5	5	2	12	25.7	50%
Bainbridge Island	Metro	13	23.92	4	8	0	12	27.3	33%
SnoLax	North Sound	14	23.31	10	2	0	12	17.0	75%
Curtis	Peninsula	15	21.72	7	6	0	13	17.9	31%
Anacortes	North Sound	16	21.48	8	2	0	10	17.2	60%
Sumner	Nisqually	17	20.81	7	5	1	13	18.0	46%
Newport Sammamish Interlake	Snoqualmie	18	20.57	5	6	1	12	22.9	58%
Camas	Peninsula	19	19.03	7	3	1	11	13.5	55%
Stanwood	North Sound	20	18.55	8	3	0	11	15.0	36%
Puyallup	Nisqually	21	16.95	7	5	0	12	17.2	42%
Northshore	North Sound	22	16.80	6	6	0	12	18.7	58%
Garfield	Metro	23	16.43	8	5	0	13	16.6	54%
Bellevue	Snoqualmie	24	15.92	0	12	0	12	27.1	58%
Bishop Blanchet	Independent	25	15.43	3	7	1	11	20.4	45%
Bellarmine Prep	Peninsula	26	14.59	6	6	0	12	16.9	42%
Stadium	Peninsula	27	14.43	6	5	0	11	12.9	45%
Holy Names	Independent	28	14.38	1	10	0	11	28.4	91%
Spokane Stealth	Eastern	29	14.04	11	0	1	12	6.7	58%
Kennedy	Independent	30	13.95	4	8	0	12	18.1	50%
Bellingham	North Sound	31	13.02	3	6	1	10	16.4	60%
Tahoma	Nisqually	32	12.96	4	6	1	11	12.9	64%
Ballard	Metro	33	12.95	2	10	0	12	18.9	50%
Gonzaga Prep	Eastern	34	10.03	8	2	0	10	6.6	60%
Auburn Riverside	Nisqually	35	9.61	4	8	0	12	12.4	83%
Nathan Hale/Ingraham	Metro	36	9.12	2	10	0	12	17.5	75%
Overlake	Independent	37	7.99	0	8	0	8	16.0	63%
Sandpoint	Eastern	38	6.67	6	4	0	10	7.3	40%
Graham-Kapowsin	Nisqually	39	5.80	3	9	0	12	11.6	75%
Kamiakin	Eastern	40	5.59	4	6	0	10	7.5	30%
Klahowya	Peninsula	41	4.21	2	7	0	9	12.3	67%
Richland Hanford	Eastern	42	4.11	2	8	0	10	7.8	50%
Evergreen	Peninsula	43	3.98	1	10	0	11	14.1	82%
Bethel	Nisqually	44	3.31	0	9	0	9	11.9	78%
Big Cat	Eastern	45	2.62	0	10	0	10	8.1	70%

Power Rankings – End of 2023 Season

(including playoffs)

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ISD	Snoqualmie	4	31.8	10	4	1	15	28.4	40%
Woodinville	North Sound	5	31.6	12	2	0	14	24.1	71%
Seattle Prep	Independent	6	29.7	8	5	0	13	28.4	46%
Lake Samm	Snoqualmie	7	28.7	9	5	0	14	26.3	57%
Eastlake	Snoqualmie	8	26.6	7	6	1	14	27.8	50%
Eastside Catholic	Independent	9	24.7	8	4	0	12	23.2	50%
Peninsula SD	Peninsula	10	23.9	8	4	1	13	20.7	31%
Mount Si	Snoqualmie	11	23.6	5	6	2	13	26.6	54%
Bainbridge Island	Metro	12	23.6	4	9	0	13	27.7	31%
Lakeside	Independent	13	23.4	6	7	0	13	27.3	46%
SnoLax	North Sound	14	22.9	10	3	0	13	18.2	77%
Anacortes	North Sound	15	22.2	9	2	0	11	17.2	64%
Curtis	Peninsula	16	21.9	7	6	0	13	18.3	31%
Sumner	Nisqually	17	21.0	7	5	1	13	18.2	46%
Newport Sammamish Interlake	Snoqualmie	18	20.6	5	6	1	12	22.9	58%
Camas	Peninsula	19	18.7	8	3	1	12	12.7	58%
Stanwood	North Sound	20	17.8	8	4	0	12	15.5	42%
Puyallup	Nisqually	21	17.5	7	6	0	13	19.4	46%
Northshore	North Sound	22	16.8	6	6	0	12	18.8	58%
Garfield	Metro	23	16.6	8	5	0	13	16.8	54%
Bellevue	Snoqualmie	24	16.1	0	12	0	12	27.5	58%
Bishop Blanchet	Independent	25	15.6	4	7	1	12	19.7	50%
Bellarmine Prep	Peninsula	26	14.6	6	6	0	12	17.0	42%
Stadium	Peninsula	27	14.5	6	5	0	11	13.0	45%
Holy Names	Independent	28	14.5	1	10	0	11	28.5	91%
Spokane Stealth	Eastern	29	14.2	11	1	1	13	10.1	62%
Kennedy	Independent	30	14.2	4	8	0	12	18.4	50%
Tahoma	Nisqually	31	13.1	4	6	1	11	13.0	64%
Bellingham	North Sound	32	13.0	3	6	1	10	16.4	60%
Ballard	Metro	33	12.8	2	10	0	12	19.0	50%
Gonzaga Prep	Eastern	34	10.2	8	2	0	10	6.7	60%
Auburn Riverside	Nisqually	35	9.8	4	8	0	12	12.6	83%
Nathan Hale/Ingraham	Metro	36	9.2	2	10	0	12	17.7	75%
Overlake	Independent	37	8.1	0	9	0	9	15.9	67%
Sandpoint	Eastern	38	6.8	6	4	0	10	7.4	40%
Graham-Kapowsin	Nisqually	39	5.9	3	9	0	12	11.8	75%
Kamiakin	Eastern	40	5.7	4	6	0	10	7.6	30%
Klahowya	Peninsula	41	4.7	2	8	0	10	13.0	70%
Evergreen	Peninsula	42	4.2	1	10	0	11	14.0	82%
Richland Hanford	Eastern	43	4.2	2	8	0	10	7.9	50%
Bethel	Nisqually	44	3.5	0	9	0	9	12.1	78%
Big Cat	Eastern	45	2.7	0	10	0	10	8.2	70%