

Swindon Borough
Playing Pitch Assessment

2016-2021

Appendix 6

3G Scenarios

Scenario 1 - All adult, youth and junior teams using local authority managed grass pitches as home pitch for competitive play moving to a full size floodlit 3G to play matches.

i) With mini and youth 9v9 moving to play on a Saturday to maximise capacity.

Calculation based on typical time slots remaining fixed								
		Mini 5v5	Mini 7v7	Youth 9v9	Youth 11v11	Adult 11v11 (midweek)	Adult 11v11 (Sat)	Adult 11v11 (Sun)
No. of teams		16	19	16	27	0	8	20
AGP capacity required for all teams for matches	No. of matches	8	9.5	8	13.5	0	4	11.3
	Match time required (hours, rounded to half hour, including half time and warm-up / warm-down)	1	1	1.5	2	2	2	2
	Total match time required (hours, rounded to quarter)	8	9.5	12	27	0	8	23
	Full size equivalent required per match	0.25	0.5	0.5	1	1	1	1
	Full size equivalent required for total matches (hours)	2	4.75	4	13.5	0	4	11.3
AGP capacity required for all teams for training	No. of training sessions per team	1	1	1	1	**	1	1
	No. of training sessions total	16	19	16	27	**	8	20
	Training time required per session (hours)	1	1	1	1	**	1	1
	Total training time required (hours)	16	19	16	27	**	8	20
	Full size equivalent required per session	0.13	0.3	0.3	0.3	**	0.3	0.3
	Full size equivalent required for total training (hours)	2.4	5.7	4.8	8.1	**	2.4	6.9
How much match play can you fit into one pitch?	Period of play (matches)	Sat am	Sat am	Sat am	Sun pm	Mon-Thurs pm	Sat pm	Sun am
	Period of play (time slots)	9-10am	10-11am	11-12.30pm	1-3pm & 3-5pm	5.30-9.30pm	3-5pm & 5-7pm	10-12pm
	Available time (capacity, hours)	1	1	1.5	4	18	4	2
	Total matches which can be accommodated in time slot	4	2	2	2	8	2	1
No. of full size pitches required to satisfy match play demand in time slot		1	4.75	4	6.75	0	2	11.3
How much training can you fit into one pitch?	Period of play (training)	*	midweek evening	midweek evening	midweek evening	**	midweek evening Mon-Thurs	midweek evening Mon-Thurs
	Period of play (time slots)	*	5-6pm	5-6pm	6-7pm	**	7-8pm	8-9pm
	Available time (capacity, hours)	*	1	1	1	**	1	1
	Total training sessions which can be accommodated in time slot	*	16.7	16.7	16.7	**	13.3	13.3
No. of full size pitches required to satisfy training demand for each team type / age group		0	2.1	1.62	0	0.6	1.725	
No. of full size pitches required to satisfy mid-week evening demand		0	2.1					
No. of full size pitches required to satisfy weekend match demand		1	4.75	4	6.75	0	2	11.3
Total no. of pitches required to satisfy all peak period demand		11.5						
Calculation based on basic supply / demand position								
Number of hours one full size AGP can accommodate above requirements per week		31.3						
Number of hours in peak period when demand requires capacity		61.95						
No. of full size pitches required to satisfy basic demand without meeting / reference to timeslot needs		1.97						
Calculation based on evening out demand in 7-9pm mid-week and 5-7pm mid-week training timeslots								
		Youth 9v9 and 11v11	Adult (Sat and Sun)					
Period of play (training)		mid-week evening	midweek evening Mon-Thurs					
Period of play (time slots)		5-7pm	7-9pm					
No. of full size pitches required to satisfy training demand for each team type / age group		0.81	1.1625					
No. of full size pitches required to satisfy midweek match play demand in time slot		0.00						
Adjusted no. of full size pitches required to satisfy mid-week evening demand		1.16						
		Mini 5v5	Mini 7v7	Youth 9v9	Youth 11v11	Adult 11v11 (midweek evening)	Adult 11v11 (Sat)	Adult 11v11 (Sun)
No. of full size pitches required to satisfy weekend match demand		1	4.75	6.75		0	11.5	
Adjusted total no. of pitches required to satisfy all peak period demand		11.50						
Calculation based on stretching traditional Sun am timeslot for matches to 9am-1pm allowing for additional match								
		Adult 11v11 (Sun)						
Period of play (matches)		Sun am						
Period of play (time slots)		9-1pm						
Available time (capacity, hours)		4						
Total matches which can be accommodated in time slot		2						
No. of full size pitches required to satisfy match play demand in time slot		5.75						
Adjusted total no. of pitches required to satisfy all peak period demand		6.75						
Notes								
Model only establishes demand for affiliated teams / known teams and additional time would need to be added in for social, small-sided and pay and play demand								

Scenario 1 - All adult, youth and junior teams using local authority managed grass pitches as home pitch for competitive play moving to a full size floodlit 3G to play matches.

ii) With teams playing matches on days currently used

Calculation based on typical time slots remaining fixed							
	Mini 6vs	Mini 7v7	Youth 9vs	Youth 11v11 and Ladies	Adult 11v11 (midweek evening)	Adult 11v11 (Sat)	Adult 11v11 (Sun)
No. of teams	18	19	16	27	0	8	23
No. of matches	8	9.5	8	15.5	0	4	11.5
Match time required (hours, rounded to half hour, including half time and warm-up / warm-down)	1	1	1.5	2	2	2	2
Total match time required (hours, rounded to quarter)	8	9.5	12	27	0	8	23
Full size equivalent required per match	0.25	0.5	0.5	1	1	1	1
Full size equivalent required for total matches (hours)	2	4.75	4	13.5	0	4	11.5
No. of training sessions per team	1	1	1	1	**	1	1
No. of training sessions total	18	19	16	27	**	8	23
Training time required per session (hours)	1	1	1	1	**	1	1
Total training time required (hours)	18	19	16	27	**	8	23
Full size equivalent required per session	0.13	0.3	0.3	0.3	**	0.3	0.3
Full size equivalent required for total training (hours)	2.4	5.7	4.8	8.1	**	2.4	6.9
Period of play (matches)	sun pm	sun pm	sun pm	sun pm	Mon-Thurs pm	sat pm	sun am
Period of play (time slots)	12-1pm	1-2pm	2-3:30pm	3:30-5:30pm	5:30-8:30pm	1-3pm & 3-5pm	10-12pm
Available time (capacity, hours)	1	1	1.5	2	16	4	2
Total matches which can be accommodated in time slot	4	2	2	1	8	2	1
No. of full size pitches required to satisfy match play demand in time slot	1	4.75	4	13.5	0	2	11.5
Period of play (training)	-	midweek evening	midweek evening	midweek evening	**	midweek evening Mon-Thurs	midweek evening Mon-Thurs
Period of play (time slots)	-	5-6pm	5-6pm	6-7pm	**	7-8pm	8-9pm
Available time (capacity, hours)	-	1	1	1	**	4	4
Total training sessions which can be accommodated in time slot	-	16.7	16.7	16.7	**	13.3	13.3
No. of full size pitches required to satisfy training demand for each team type / age group	0	2.1	1.62	1.62	0	0.6	1.725
No. of full size pitches required to satisfy mid-week evening demand	0	2.1					
No. of full size pitches required to satisfy weekend match demand	1	4.75	4	13.5	0	2	11.5
Total no. of pitches required to satisfy all peak period demand	13.5						
Calculation based on basic supply / demand position							
Number of hours one full size AGP can accommodate above requirements per week	31.5						
Number of hours in peak period when demand requires capacity	61.35						
No. of full size pitches required to satisfy basic demand without meeting / reference to timeslot needs	1.97						
Calculation based on evening out demand in 7-9pm mid-week and 5-7pm mid-week training timeslots							
	Youth 9vs and 11v11	Adult (Sat and Sun)					
Period of play (training)	mid-week evening	midweek evening Mon-Thurs					
Period of play (time slots)	5-7pm	7-9pm					
No. of full size pitches required to satisfy training demand for each team type / age group	0.81	1.1625					
No. of full size pitches required to satisfy midweek match play demand in time slot	0.00						
Adjusted no. of full size pitches required to satisfy mid-week evening demand	1.16						
	Mini 6vs	Mini 7v7	Youth 9vs	Youth 11v11	Adult 11v11 (midweek evening)	Adult 11v11 (Sat)	Adult 11v11 (Sun)
No. of full size pitches required to satisfy weekend match demand	1	4.75	13.5		0	11.5	
Adjusted total no. of pitches required to satisfy all peak period demand	13.50						
Calculation based on stretching traditional Sun am timeslot for matches to 9am-1pm allowing for additional match							
	Adult 11v11 (Sun)						
Period of play (matches)	sun am						
Period of play (time slots)	9-1pm						
Available time (capacity, hours)	4						
Total matches which can be accommodated in time slot	2						
No. of full size pitches required to satisfy match play demand in time slot	5.75						
Adjusted total no. of pitches required to satisfy all peak period demand	13.50						
Notes							
Model only establishes demand for affiliated teams / known teams and additional time would need to be added in for social, small-sided and pay and play demand							

Scenario 2a - . All current teams playing competitive football having access to a full size floodlit 3G AGP to train on once a week.

Calculation based on typical time slots remaining fixed								
		Mini 5v5	Mini 7v7	Youth 9v9	Youth 11v11 and Ladies	Adult 11v11 (midweek evening)	Adult 11v11 (Sat)	Adult 11v11 (Sun)
No. of teams		39	49	43	78	1	23	57
AGP capacity required for all teams for matches	No. of matches	19.5	24.5	21.5	39	1.5	11.5	28.5
	Match time required (hours, rounded to half hour, including half time and warm-up / warm-down)	1	1	1.5	2	2	2	2
	Total match time required (hours, rounded to quarter)	19.5	24.5	32.25	78	3	23	57
	Full size equivalent required per match	0.25	0.5	0.5	1	1	1	1
Full size equivalent required for total matches (hours)		4.875	12.25	10.75	39	1.5	11.5	28.5
AGP capacity required for all teams for training	No. of training sessions per team	1	1	1	1	**	1	1
	No. of training sessions total	39	49	43	78	**	23	57
	Training time required per session (hours)	1	1	1	1	**	1	1
	Total training time required (hours)	39	49	43	78	**	23	57
	Full size equivalent required per session	0.15	0.3	0.3	0.3	**	0.3	0.3
	Full size equivalent required for total training (hours)	5.85	14.7	12.9	23.4	**	6.9	17.1
How much match play can you fit into one pitch?	Period of play (matches)	sat am	sat am	sat am	sun pm	Mon- Thurs pm	sat pm	sun am
	Period of play (time slots)	9-10am	10-11am	11-12.30pm	1-3pm & 3-5pm	5.30-9.30pm	1-3pm & 3-5pm	10-12pm
	Available time (capacity, hours)	1	1	1.5	4	16	4	2
	Total matches which can be accommodated in time slot	4	2	2	2	8	2	1
No. of full size pitches required to satisfy match play demand in time slot		2.4375	12.25	10.75	19.5	0.1875	5.75	28.5
How much training can you fit into one pitch?	Period of play (training)	*	midweek evening	midweek evening	midweek evening	**	midweek evening Mon- Thurs	midweek evening Mon- Thurs
	Period of play (time slots)	*	5-6pm	5-6pm	6-7pm	**	7-8pm	8-9pm
	Available time (capacity, hours)	*	10	10	5	**	4	4
	Total training sessions which can be accommodated in time slot	*	16.7	16.7	16.7	**	13.3	13.3
No. of full size pitches required to satisfy training demand for each team type / age group		0	5.52	4.68	0	1.725	4.275	
No. of full size pitches required to satisfy mid-week evening demand		0	5.7075					
No. of full size pitches required to satisfy weekend match demand		2.4375	12.25	10.75	19.5	0	5.75	28.5
Total no. of pitches required to satisfy all peak period demand		28.5						
Calculation based on basic supply / demand position								
Number of hours one full size AGP can accommodate above requirements per week		31.3						
Number of hours in peak period when demand requires capacity		166.675						
No. of full size pitches required to satisfy basic demand without meeting / reference to timeslot needs		5.35						
Calculation based on evening out demand in 7-9pm mid-week and 5-7pm mid-week training timeslots								
		Youth 9v9 and 11v11	Adult (Sat and Sun)					
Period of play (training)		mid-week evening	midweek evening Mon- Thurs					
Period of play (time slots)		5-7pm	7-9pm					
No. of full size pitches required to satisfy training demand for each team type / age group		2.34	3					
No. of full size pitches required to satisfy midweek match play demand in time slot		0.19						
Adjusted no. of full size pitches required to satisfy mid-week evening demand		3.19						
		Mini 5v5	Mini 7v7	Youth 9v9	Youth 11v11	Adult 11v11 (midweek evening)	Adult 11v11 (Sat)	Adult 11v11 (Sun)
No. of full size pitches required to satisfy weekend match demand		2.4375	12.25	19.5		0	28.5	
Adjusted total no. of pitches required to satisfy all peak period demand		28.50						
Calculation based on stretching traditional Sun am timeslot for matches to 9am-1pm allowing for additional match								
		Adult 11v11 (Sun)						
Period of play (matches)		sun am						
Period of play (time slots)		5-1pm						
Available time (capacity, hours)		4						
Total matches which can be accommodated in time slot		2						
No. of full size pitches required to satisfy match play demand in time slot		14.25						
Adjusted total no. of pitches required to satisfy all peak period demand		19.50						
Notes								
Model only establishes demand for affiliated teams / known teams and additional time would need to be added in for social, small-sided and pay and play demand								

Scenario 2b - . All current and future projected teams playing competitive football having access to a full size floodlit 3G AGP to train on once a week.

Calculation based on typical time slots remaining fixed								
		Mini 5v5	Mini 7v7	Youth 9v9	Youth 11v11 and Ladies	Adult 11v11 (midweek evening)	Adult 11v11 (Sat)	Adult 11v11 (Sun)
	No. of teams	69	86	54	98	4	29	63
AGP capacity required for all teams for matches	No. of matches	34.5	15	27	49	2	14.5	11.5
	Match time required (hours, rounded to half hour, including half time and warm-up / warm-down)	1	1	1.5	2	2	2	2
	Total match time required (hours, rounded to quarter)	34.5	39	40.5	98	4	29	63
	Full size equivalent required per match	0.25	0.5	0.9	1	1	1	1
	Full size equivalent required for total matches (hours)	8.625	16.5	13.5	49	2	14.5	11.5
AGP capacity required for all teams for training	No. of training sessions per team	1	1	1	1	**	1	1
	No. of training sessions total	69	86	54	98	**	29	63
	Training time required per session (hours)	1	1	1	1	**	1	1
	Total training time required (hours)	69	86	54	98	**	29	63
	Full size equivalent required per session	0.15	0.3	0.3	0.3	**	0.3	0.3
	Full size equivalent required for total training (hours)	10.35	19.8	16.2	29.8	**	8.7	18.9
How much match play can you fit into one pitch?	Period of play (matches)	sat am	sat am	sat am	sun pm	Mon-Thurs pm	sat pm	sun am
	Period of play (time slots)	9-10am	10-11am	11-12.30pm	1-3pm & 3-5pm	5.30-9.30pm	1-3pm & 3-5pm	10-12pm
	Available time (capacity, hours)	1	1	1.5	4	16	4	2
	Total matches which can be accommodated in time slot	4	2	2	2	8	2	1
	No. of full size pitches required to satisfy match play demand in time slot	4.3125	16.5	13.5	24.5	0.25	7.25	31.5
How much training can you fit into one pitch?	Period of play (training)	*	midweek evening	midweek evening	midweek evening	**	midweek evening Mon-Thurs	midweek evening Mon-Thurs
	Period of play (time slots)	*	5-6pm	5-6pm	6-7pm	**	7-9pm	8-9pm
	Available time (capacity, hours)	*	10	10	5	**	4	4
	Total training sessions which can be accommodated in time slot	*	16.7	16.7	16.7	**	13.3	13.3
	No. of full size pitches required to satisfy training demand for each team type / age group	0	7.2	7.2	5.88	0	2.175	4.725
	No. of full size pitches required to satisfy mid-week evening demand	0				7.45		
	No. of full size pitches required to satisfy weekend match demand	4.3125	16.5	13.5	24.5	0	7.25	31.5
	Total no. of pitches required to satisfy all peak period demand	31.5						
Calculation based on basic supply / demand position								
	Number of hours one full size AGP can accommodate above requirements per week	31.3						
	Number of hours in peak period when demand requires capacity	208.825						
	No. of full size pitches required to satisfy basic demand without meeting / reference to timeslot needs	6.63						
Calculation based on evening out demand in 7-9pm mid-week and 5-7pm mid-week training timeslots								
		Youth 9v9 and 11v11	Adult (Sat and Sun)					
	Period of play (training)	mid-week evening	midweek evening Mon-Thurs					
	Period of play (time slots)	5-7pm	7-9pm					
	No. of full size pitches required to satisfy training demand for each team type / age group	2.94	3.45					
	No. of full size pitches required to satisfy midweek match play demand in time slot	0.25						
	Adjusted no. of full size pitches required to satisfy mid-week evening demand	3.70						
		Mini 5v5	Mini 7v7	Youth 9v9	Youth 11v11	Adult 11v11 (midweek evening)	Adult 11v11 (Sat)	Adult 11v11 (Sun)
	No. of full size pitches required to satisfy weekend match demand	4.3125	16.5	24.5		0	11.5	
	Adjusted total no. of pitches required to satisfy all peak period demand	31.50						
Calculation based on stretching traditional Sun am timeslot for matches to 9am-1pm allowing for additional match								
		Adult 11v11 (Sun)						
	Period of play (matches)	sun am						
	Period of play (time slots)	5-1pm						
	Available time (capacity, hours)	4						
	Total matches which can be accommodated in time slot	2						
	No. of full size pitches required to satisfy match play demand in time slot	15.75						
	Adjusted total no. of pitches required to satisfy all peak period demand	24.50						
Notes								
Model only establishes demand for affiliated teams / known teams and additional time would need to be added in for social, small-sided and pay and play demand.								

Calculation based on typical time slots remaining fixed							
	Mini 5v5	Mini 7v7	Youth 9v9	Youth 11v11 and Ladies	Adult 11v11 (midweek evening)	Adult 11v11 (Sat)	Adult 11v11 (Sun)
No. of teams	10	4	4	4	10	4	2
No. of matches	4	2	2	2	8	2	1
ADP capacity required for all teams for matches							
Match time required (hours, rounded to half hour, including half time and warm up / warm-down)	1	1	1.5	2	2	2	2
Total match time required (hours, rounded to quarter)	4	2	3	4	16	4	2
Full size equivalent required per match	0.25	0.5	0.5	1	1	1	1
Full size equivalent required for total matches (hours)	2	1	1	2	8	2	1
No. of training sessions per team	2	1	1	1	**	1	1
ADP capacity required for all teams for training							
No. of training sessions total	18	4	4	4	**	4	2
Training time required per session (hours)	2	1	1	1	**	2	1
Total training time required (hours)	18	4	4	4	**	4	2
Full size equivalent required per session	0.15	0.1	0.2	0.2	**	0.3	0.1
Full size equivalent required for total training (hours)	2.8	1.2	1.2	1.2	**	1.2	0.4
How much match play can you fit into one pitch?							
Period of play (matches)	Sat am	Sat aft	Sat eve	Sun pm	Mon- Thurs pm	Sat pm	Sun am
Period of play (time slots)	9-10am	10-11am	11-12.30pm	1-5pm & 5-5pm	5.30-9.30pm	1-5pm & 5-5pm	10-12pm
Available time (capacity, hours)	1	1	1.5	4	16	4	2
Total matches which can be accommodated in time slot	4	2	2	2	8	2	1
No. of full size pitches required to satisfy match play demand in time slot	1	1	1	1	1	1	1

Number of teams which could be accommodated over a weekend on 4 full size floodlit 3G pitches (to utilise the number of new additional pitches required arising from scenario 2b)

i) With minis and youth 9v9 teams moving to play on a Saturday am to maximise available pitch capacity.

Calculation based on typical time slots remaining fixed							
	Mini 5v5	Mini 7v7	Youth 9v9	Youth 11v11 and Ladies	Adult 11v11 (midweek evening)	Adult 11v11 (Sat)	Adult 11v11 (Sun)
No. of teams	64	16	16	16	4	16	8
No. of matches	32	8	8	8	2	8	4
Match time required (hours, rounded to half hour, including half time and warm-up / warm-down)	1	1	1.5	2	2	2	2
Total match time required (hours, rounded to quarter)	32	8	12	16	4	16	8
Full size equivalent required per match	0.25	0.5	0.5	1	1	1	1
Full size equivalent required for total matches (hours)	8	4	4	8	2	8	4
No. of training sessions per team	1	1	1	1	**	1	1
No. of training sessions total	64	16	16	16	**	16	8
Training time required per session (hours)	1	1	1	1	**	1	1
Total training time required (hours)	64	16	16	16	**	16	8
Full size equivalent required per session	0.15	0.3	0.3	0.3	**	0.3	0.3
Full size equivalent required for total training (hours)	9.6	4.8	4.8	4.8	**	4.8	2.4
Period of play (matches)	sat am	sat am	sat am	sun pm	Mon-Thurs pm	sat pm	sun am
Period of play (time slots)	9-10am	10-11am	11-12.30pm	1-3pm & 3-5pm	5.30-9.30pm	1-3pm & 3-5pm	10-12pm
Available time (capacity, hours)	1	1	1.5	4	16	4	2
Total matches which can be accommodated in time slot	4	2	2	2	8	2	1
No. of full size pitches required to satisfy match play demand in time slot	4	4	4	4	0.25	4	4
Period of play (training)	*	midweek evening	midweek evening	midweek evening	**	midweek evening Mon-Thurs	midweek evening Mon-Thurs
Period of play (time slots)	*	5-6pm	5-6pm	6-7pm	**	7-8pm	8-9pm
Available time (capacity, hours)	*	10	5	5	**	4	4
Total training sessions which can be accommodated in time slot	*	16.7	16.7	**	13.3	13.3	
No. of full size pitches required to satisfy training demand for each team type / age group	0	1.92	0.96	0	1.2	0.6	
No. of full size pitches required to satisfy mid-week evening demand	0	2.17					
No. of full size pitches required to satisfy weekend match demand	4	4	4	4	0	4	4
Total no. of pitches required to satisfy all peak period demand	4.0						

ii) With teams playing on existing days for matches.

Calculation based on typical time slots remaining fixed							
	Mini 5v5	Mini 7v7	Youth 9v9	Youth 11v11 and Ladies	Adult 11v11 (midwk evening)	Adult 11v11 (Sat)	Adult 11v11 (Sun)
No. of teams	64	16	16	8	4	16	8
No. of matches	32	8	8	4	2	8	4
Match time required (hours, rounded to half hour, including half time and warm-up / warm-down)	1	1	1.5	2	2	2	2
Total match time required (hours, rounded to quarter)	32	8	12	8	4	16	8
Full size equivalent required per match	0.25	0.5	0.5	1	1	1	1
Full size equivalent required for total matches (hours)	8	4	4	4	2	8	4
No. of training sessions per team	1	1	1	1	**	1	1
No. of training sessions total	64	16	16	8	**	16	8
Training time required per session (hours)	1	1	1	1	**	1	1
Total training time required (hours)	64	16	16	8	**	16	8
Full size equivalent required per session	0.25	0.3	0.3	0.3	**	0.3	0.3
Full size equivalent required for total training (hours)	9.6	4.8	4.8	2.4	**	4.8	2.4
Period of play (matches)	sun pm	sun pm	sun pm	sun pm	Mon-Thurs pm	sat pm	sun am
Period of play (time slots)	12-1pm	1-2pm	2-3.30pm	3.30-5.30pm	5.30-9.30pm	1-3pm & 3-5pm	10-12pm
Available time (capacity, hours)	1	1	1.5	2	16	4	2
Total matches which can be accommodated in time slot	4	2	2	1	8	2	1
No. of full size pitches required to satisfy match play demand in time slot	4	4	4	4	0.25	4	4
Period of play (training)	-	midweek evening	midweek evening	midweek evening	**	midweek evening Mon-Thurs	midweek evening Mon-Thurs
Period of play (time slots)	-	5-6pm	5-6pm	6-7pm	**	7-8pm	8-9pm
Available time (capacity, hours)	-	10	5	5	**	4	4
Total training sessions which can be accommodated in time slot	-	16.7	16.7	16.7	**	13.3	13.3
No. of full size pitches required to satisfy training demand for each team type / age group	0	1.92	0.48	0	0	1.2	0.6
No. of full size pitches required to satisfy mid-week evening demand	0	2.17					
No. of full size pitches required to satisfy weekend match demand	4	4	4	4	0	4	4
Total no. of pitches required to satisfy all peak period demand	4.0						