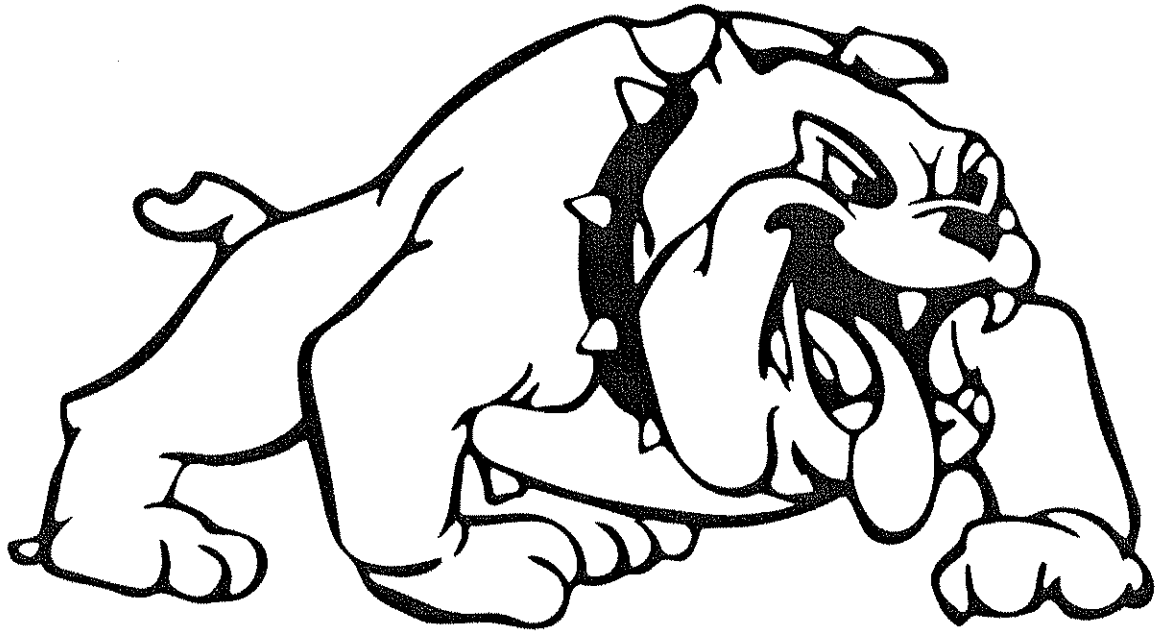


BULLDOG ATHLETICS



Strength & Conditioning Program

“There are only two options regarding commitment:
You’re either IN or you’re OUT!”

NAME _____

Dot Drill

Complete this list consecutively for speed and accuracy

Up and Back (6x)
Right Foot (6x)
Left Foot (6x)
Both Feet (6x)
Turn Arouds (6x)

Ladders

*Complete these skills accurately
(don't touch the ladder).
Go down and back*

Forward 1 in the Hole
Forward 2 in the Hole (Left & Right lead)
Lateral 2 in the Hole (Left & Right lead)
Lateral Cross (Left & Right lead)
Forward & Backward Slaloms (1 time each)
Forward 1, 2, 3, Shuffle
Back and Forth

Plyometrics

10 max vertical jumps
10 max broad jumps
5 jumps to a small box
5 jumps to a medium box
5 jumps to a high box
5 sets of a 4 box series
3 sets of power skips at 25 yards

Speed

Use a great starting stance, max effort sprint

10 sprints from 10-50 yards, 30 sec rest.

Flexibility

30 second hold

Hamstring (Left & Right)
Lats
Pecs
Back of leg (Left & Right)
Front of leg (Left & Right)
Quadriceps (Left & Right)
Abs
Adductor
Glutes (Left & Right)
Groin
Hip Flexor (Left & Right)

Core

Choose a Workout

Workout 1

Flutter Kicks **2x20 total kicks**
Oblique Heel Touches **2x20 total touches**
Standing Rotational Chops (Med Ball) **2x12 ea side**
Russian Twist (Med Ball) **2x20 total touches**
Single Leg Raise (Capt) **2x20 total raises**
Double Leg Raise (Capt) **2x12**
Knees to Chest Tucks (Capt) **2x12**
Double Leg Raise/Knee to Chest Tucks (Capt) **1x12**

Workout 2

Underhand Granny Style Squat Throw **2x15**
Overhead Floor Slam **2x15**
Face the Wall Hip Throw & Catch **2x12 ea side**
Back to the Wall Throw & Catch **2x12 ea side**
Side to the Wall Hip Throw & Catch **2x12 ea side**
Side to the Wall Hip Throw & Catch Rotate **2x12 ea**

Welcome to the Bulldog Athletic Strength & Conditioning Program! The main goal of this program is to get you prepared physically and athletically to achieve successful outcomes individually and as a team in New London High School athletic activities. The second goal of the program is to unify the athletic department by providing one workout which is the same for all student-athletes to use. The program is designed for the total athlete, male or female, regardless of which sport you participate in. The Bulldog Athletic Strength & Conditioning Program consists of the following aspects, 1) Strength development using major and assistance lifts, 2) Agility, 3) Speed development, 4) Plyometrics, 5) Flexibility, and 6) Core exercises.

Strength Development

The major lifts (Bench Press, Push Press, Power Clean, Squat) are the most important in developing athletic potential. These lifts work more than one muscle group and require the most amount of time and focus. The major lifts are non-negotiable; you need to complete them on the prescribed lift days.

The assistance lifts will help develop muscular strength by isolating one specific muscle. If you use the suggested assistance lifts you will get a full body workout throughout the week. If you would rather focus on a particular muscle, use sport specific exercises, or perform different assistance lifts you may do so. Just remember to do your major lifts first and make them your primary focus!!

Agility

The agility drills (Dot Drill, Agility Ladders) are used as a warm up to increase body temperature, breathing rate, and heart rate to get you ready for physical activity. The agility drills, when done properly, will improve coordination, foot speed, and increase ankle strength.

Speed

Completing the spring workouts 2x a week can take tenths of seconds off of your sprint times

Plyometrics

Plyometric training uses maximum explosive contractions performed as quickly as possible. Plyometrics will push athletes to a higher level of performance with improvements in speed, explosiveness, and jumping ability.

Flexibility

Flexibility is often overlooked and missing in athletic conditioning programs. By concentrating and using proper technique flexibility training can: increase joint range of motion, increase speed, improve overall performance, improve posture, and decrease the number and severity of injuries. Flexibility training can be performed every day to gain the maximal benefits.

Core

The core consists of the abdominals, pelvic muscles, mid and lower back muscles, and hip muscles. All of these muscles work together to support your spine and skull. A stronger core leads to better athletic performance as it serves as the link between your upper and lower body.

FILLING OUT YOUR LIFTING WORKSHEET

Step 1 Determine your predicted 1 rep max for the Bench Press, Push Press, Squat, and Power Clean

After a brief warm-up, choose a weight that will be challenging to get 3-5 repetitions. The weight is correct if you fail, or almost fail for the last repetition. This will produce a more accurate predicted 1 rep max and also ensure that your future workouts are demanding. Then, use the Predicted One Rep Max chart and determine your 1 rep max.

	Reps					
Wt	2	3	4	5	6	7
65	67	69	71	73	75	78
70	72	74	76	79	81	84
75	77	79	82	84	87	90
80	82	85	87	90	93	96
85	87	90	93	96	99	102

Example:

An athlete bench pressed 85 lbs, 4 times. According to the chart the predicted 1 rep max is 93 lbs. Round that figure up to the next 5 pound increment. Your predicted 1 rep max is 95 lbs.

Step 2 Determine the weight needed for each set of your major lifts and record

	62%	65%	67%	70%	72%	75%	77%	80%
75	47	49	50	53	54	56	58	60
80	50	52	54	56	58	60	62	64
85	53	55	57	60	61	64	65	68
90	56	59	60	63	65	68	69	72
95	59	62	64	67	68	71	73	76

Example:

Week 1 uses 4 sets of 8 at 65%, 70%, 75%, and 80% of your predicted 1 rep max. Find 95 lbs on the % chart and determine the weight needed at 65%, 70%, 75%, and 80%. Always round to the nearest 5 pound increment.

Step 3 Complete each set and record the number of repetitions you completed

Date			Day	1					
	Wt	Reps		Wt	Reps	Wt	Reps	Wt	Reps
Dot Drill									
Bench Press 65% 70% 75% 80%	60	8	65	8	70	8	75	8	

Example:

Record the number of reps you were able to do at each weight determined in step 2.

Step 4 Record the weights you used for your assistant lifts

Triceps Pushdown	75	8-10	80	8-10
DB Deltoid Fly	25	8-10	25	8-10
High Pull	80	8-10	85	8-10
Push Ups	17	Fail		

Example:

You may pick the weight you are going to use for the assistant lifts. Record all weights, and aim for 8-10 reps.

Step 5 Adjust your 1 Rep Max for the next week. Record the data on your program sheet

Look at the Bench Press, Push Press, Power Clean, and Squat on Day 3 and Day 4 once you have completed all lifts for the week. If you were able to successfully lift all of the required repetitions in your last set you can raise your 1 rep max up 5 pounds for the next week. Record your new 1 rep max on the top of the next week's worksheet.

PREDICTED ONE REP MAX

Reps										Reps									
Wt	2	3	4	5	6	7	8	9	10	Wt	2	3	4	5	6	7	8	9	10
25	26	26	27	28	29	30	31	32	33	300	309	318	327	338	348	360	372	386	400
30	31	32	33	34	35	36	37	39	40	305	314	323	333	343	354	366	379	392	407
35	36	37	38	39	41	42	43	45	47	310	319	328	338	349	360	372	385	399	413
40	41	42	44	45	47	48	50	51	53	315	324	334	344	354	366	378	391	405	420
45	46	48	49	51	52	54	56	58	60	320	329	339	349	360	372	384	397	412	427
50	51	53	55	56	58	60	62	64	67	325	334	344	355	366	377	390	404	418	433
55	57	58	60	62	64	66	68	70	73	330	339	349	360	371	383	396	410	424	440
60	62	64	65	68	70	72	74	77	80	335	345	355	365	377	389	402	416	431	447
65	67	69	71	73	75	78	81	84	87	340	350	360	371	383	395	408	422	437	453
70	72	74	76	79	81	84	87	90	93	345	355	365	376	388	401	414	428	444	460
75	77	79	82	84	87	90	93	96	100	350	360	371	382	394	407	420	435	450	467
80	82	85	87	90	93	96	99	103	107	355	365	376	387	399	412	426	441	457	473
85	87	90	93	96	99	102	106	109	113	360	370	381	393	405	418	432	447	463	480
90	93	95	98	101	105	108	112	116	120	365	375	386	398	411	424	438	453	469	487
95	98	101	104	107	110	114	118	122	127	370	381	392	404	416	430	444	459	476	493
100	103	106	109	113	116	120	124	129	133	375	386	397	409	422	436	450	466	482	500
105	108	111	115	118	122	126	130	135	140	380	391	402	415	428	441	456	472	489	507
110	113	116	120	124	128	132	137	141	147	385	396	408	420	433	447	462	478	495	513
115	118	122	125	129	134	138	143	148	153	390	401	413	425	439	453	468	484	502	520
120	123	127	131	135	139	144	149	154	160	395	406	418	431	444	459	474	490	508	527
125	129	132	136	141	145	150	155	161	167	400	411	424	436	450	465	480	497	514	533
130	134	138	142	146	151	156	161	167	173	405	417	429	442	456	470	486	503	521	540
135	139	143	147	152	157	162	168	174	180	410	422	434	447	461	476	492	509	527	547
140	144	148	153	158	163	168	174	180	187	415	427	439	453	467	482	498	515	534	553
145	149	154	158	163	168	174	180	187	193	420	432	445	458	473	488	504	521	540	560
150	154	159	164	169	174	180	186	193	200	425	437	450	464	478	494	510	528	547	567
155	159	164	169	174	180	186	192	199	207	430	442	455	469	484	499	516	534	553	573
160	165	169	175	180	186	192	199	206	213	435	447	461	475	489	505	522	540	559	580
165	170	175	180	186	192	198	205	212	220	440	453	466	480	495	511	528	546	566	587
170	175	180	185	191	197	204	211	219	227	445	458	471	485	501	517	534	553	572	593
175	180	185	191	197	203	210	217	225	233	450	463	476	491	506	523	540	559	579	600
180	185	191	196	203	209	216	223	231	240	455	468	482	496	512	528	546	565	585	607
185	190	196	202	208	215	222	230	238	247	460	473	487	502	518	534	552	571	592	614
190	195	201	207	214	221	228	236	244	253	465	478	492	507	523	540	558	577	598	620
195	201	207	213	219	226	234	242	251	260	470	483	498	513	529	546	564	584	604	627
200	206	212	218	225	232	240	248	257	267	475	489	503	518	534	552	570	590	611	634
205	211	217	224	231	238	246	255	264	273	480	494	508	524	540	557	576	596	617	640
210	216	222	229	236	244	252	261	270	280	485	499	514	529	546	563	582	602	624	647
215	221	228	235	242	250	258	267	276	287	490	504	519	535	551	569	588	608	630	654
220	226	232	240	248	256	264	273	283	294	495	509	524	540	557	575	594	615	637	660
225	231	238	245	253	261	270	279	289	300	500	514	529	545	563	581	600	621	643	667
230	237	244	251	259	267	276	286	296	307	505	519	535	551	568	587	606	627	649	674
235	242	249	256	264	273	282	292	302	313	510	525	540	556	574	592	612	633	656	680
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245	252	259	267	276	285	294	304	315	327	520	535	551	567	585	604	624	646	669	694
250	257	265	273	281	290	300	310	322	333	525	540	556	573	591	610	630	652	675	700
255	262	270	278	287	296	306	317	328	340	530	545	561	578	596	616	636	658	682	707
260	267	275	284	293	302	312	323	334	347	535	550	567	584	602	621	642	664	688	714
265	273	281	289	298	308	318	329	341	353	540	555	572	589	608	627	648	670	694	720
270	278	286	295	304	314	324	335	347	360	545	561	577	595	613	633	654	677	701	727
275	283	291	300	309	319	331	341	354	367	550	566	582	600	619	639	660	683	707	734
280	288	296	305	315	325	336	348	360	373	555	571	588	606	624	645	666	689	714	740
285	293	302	311	321	331	342	354	367	380	560	576	593	611	630	650	672	695	720	747
290	298	307	316	326	337	348	360	373	387	565	581	598	616	636	656	678	702	727	754
295	303	312	322	332	343	354	367	379	393	570	586	604	622	641	662	684	708	733	760

	50%	55%	60%	62%	65%	67%	70%	72%	75%	77%	80%	82%	85%	87%	90%	92%	95%	97%	100%
75	38	41	45	47	49	50	53	54	56	58	60	62	64	65	68	69	71	73	75
80	40	44	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80
85	43	47	51	53	55	57	60	61	64	65	68	70	72	74	77	78	81	82	85
90	45	50	54	56	59	60	63	65	68	69	72	74	77	78	81	83	86	87	90
95	48	52	57	59	62	64	67	68	71	73	76	78	81	83	86	87	90	92	95
100	50	55	60	62	65	67	70	72	75	77	80	82	85	87	90	92	95	97	100
105	53	58	63	65	68	70	74	76	79	81	84	86	89	91	95	97	100	102	105
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165	83	91	99	102	107	111	116	119	124	127	132	135	140	144	149	152	157	160	165
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185	93	102	111	115	120	124	130	133	139	142	148	152	157	161	167	170	176	179	185
190	95	105	114	118	124	127	133	137	143	146	152	156	162	165	171	175	181	184	190
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245	123	135	147	152	159	164	172	176	184	189	196	201	208	213	221	225	233	238	245
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300	150	165	180	186	195	201	210	216	225	231	240	246	255	261	270	276	285	291	300
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310	155	171	186	192	202	208	217	223	233	239	248	254	264	270	279	285	295	301	310
315	158	173	189	195	205	211	221	227	236	243	252	258	268	274	284	290	299	306	315
320	160	176	192	198	208	214	224	230	240	246	256	262	272	278	288	294	304	310	320
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360	180	198	216	223	234	241	252	259	270	277	288	295	306	313	324	331	342	349	360

	50%	55%	60%	62%	65%	67%	70%	72%	75%	77%	80%	82%	85%	87%	90%	92%	95%	97%	100%
365	183	201	219	226	237	245	256	263	274	281	292	299	310	318	329	336	347	354	365
370	185	204	222	229	241	248	259	266	278	285	296	303	315	322	333	340	352	359	370
375	188	206	225	233	244	251	263	270	281	289	300	308	319	326	338	345	356	364	375
380	190	209	228	236	247	255	266	274	285	293	304	312	323	331	342	350	361	369	380
385	193	212	231	239	250	258	270	277	289	296	308	316	327	335	347	354	366	373	385
390	195	215	234	242	254	261	273	281	293	300	312	320	332	339	351	359	371	378	390
395	198	217	237	245	257	265	277	284	296	304	316	324	336	344	356	363	375	383	395
400	200	220	240	248	260	268	280	288	300	308	320	328	340	348	360	368	380	388	400
405	203	223	243	251	263	271	284	292	304	312	324	332	344	352	365	373	385	393	405
410	205	226	246	254	267	275	287	295	308	316	328	336	349	357	369	377	390	398	410
415	208	228	249	257	270	278	291	299	311	320	332	340	353	361	374	382	394	403	415
420	210	231	252	260	273	281	294	302	315	323	336	344	357	365	378	386	399	407	420
425	213	234	255	264	276	285	298	306	319	327	340	349	361	370	383	391	404	412	425
430	215	237	258	267	280	288	301	310	323	331	344	353	366	374	387	396	409	417	430
435	218	239	261	270	283	291	305	313	326	335	348	357	370	378	392	400	413	422	435
440	220	242	264	273	286	295	308	317	330	339	352	361	374	383	396	405	418	427	440
445	223	245	267	276	289	298	312	320	334	343	356	365	378	387	401	409	423	432	445
450	225	248	270	279	293	302	315	324	338	347	360	369	383	392	405	414	428	437	450
455	228	250	273	282	296	305	319	328	341	350	364	373	387	396	410	419	432	441	455
460	230	253	276	285	299	308	322	331	345	354	368	377	391	400	414	423	437	446	460
465	233	256	279	288	302	312	326	335	349	358	372	381	395	405	419	428	442	451	465
470	235	259	282	291	306	315	329	338	353	362	376	385	400	409	423	432	447	456	470
475	238	261	285	295	309	318	333	342	356	366	380	390	404	413	428	437	451	461	475
480	240	264	288	298	312	322	336	346	360	370	384	394	408	418	432	442	456	466	480
485	243	267	291	301	315	325	340	349	364	373	388	398	412	422	437	446	461	470	485
490	245	270	294	304	319	328	343	353	368	377	392	402	417	426	441	451	466	475	490
495	248	272	297	307	322	332	347	356	371	381	396	406	421	431	446	455	470	480	495
500	250	275	300	310	325	335	350	360	375	385	400	410	425	435	450	460	475	485	500

Week 6

1 Rep Max Bench Press Push Press Power Clean Squat

“The harder you work, the harder it is to surrender!”

Date	Day 1				Day 2			
	Wt	Reps	Wt	Reps	Wt	Reps	Wt	Reps
Dot Drill								
Bench Press 65% 75% 90% 105%		8		6		2		2
Push Press 90% 90% 95% 95%		2		2		8		4
Triceps Pushdown		8-10		8-10		8-10		8-10
DB Deltoid Fly		8-10		8-10		8-10		8-10
High Pull		8-10		8-10		8-10		8-10
Push Ups		Fail		Fail		Fail		Fail
Sprint Workout								
Core Workout								
Plyometric Workout								

Date	Day 3				Day 4			
	Wt	Reps	Wt	Reps	Wt	Reps	Wt	Reps
Dot Drill								
Bench Press 65% 75% 90% 105%		8		6		2		2
Push Press 90% 90% 95% 95%		2		2		8		4
Skull Crusher		8-10		8-10		8-10		8-10
DB Shrugs		8-10		8-10		8-10		8-10
DB Deltoid Raise		8-10		8-10		8-10		8-10
Push Ups		Fail		Fail		Fail		Fail
Sprint Workout								
Core Workout								
Plyometric Workout								

Week 4

1 Rep Max

Bench Press

Push Press

Power Clean

Squat

“If you are going to be a winner, you must be willing to pay a greater price than your opponent!”

Date	Day 1					Day 2					
	Wt	Reps	Wt	Reps	Wt	Reps	Wt	Reps	Wt	Reps	
Dot Drill											
Bench Press 77% 85% 87% 90%		3		3			3		3		
Push Press 77% 85% 87% 90%		3		3			3		3		
Triceps Pushdown		8-10					8-10				
DB Deltoid Fly		8-10					8-10				
High Pull		8-10					8-10				
Push Ups		Fail					Fail				
Sprint Workout											
Core Workout											
Date	Day 3					Day 4					
Wt	Reps	Wt	Reps	Wt	Reps	Wt	Reps	Wt	Reps	Wt	Reps
Dot Drill											
Bench Press 77% 85% 87% 90%		3		3			3		3		
Push Press 77% 85% 87% 90%		3		3			3		3		
Skull Crusher		8-10					8-10				
DB Shrugs		8-10					8-10				
DB Deltoid Raise		8-10					8-10				
Push Ups		Fail					Fail				
Sprint Workout											
Core Workout											

