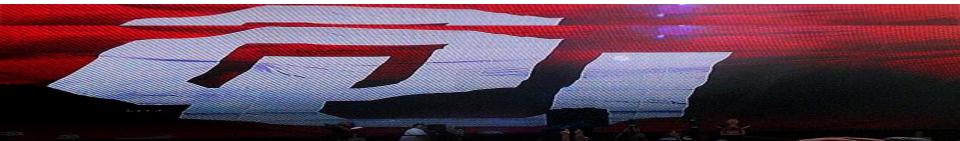
Development of the Throws: Technical Progressions for High School Throwers

John Dagata University of Oklahoma



Rotational Shot Put

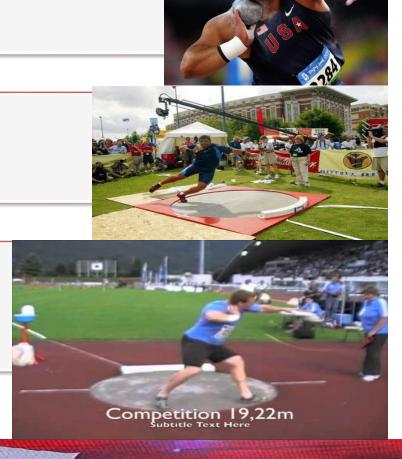
- Foot Position
- Long Free Arm
- Eyes Back
- Extend Hip
- Position
- Right Foot Path
- Landing
- South Stand

Stand

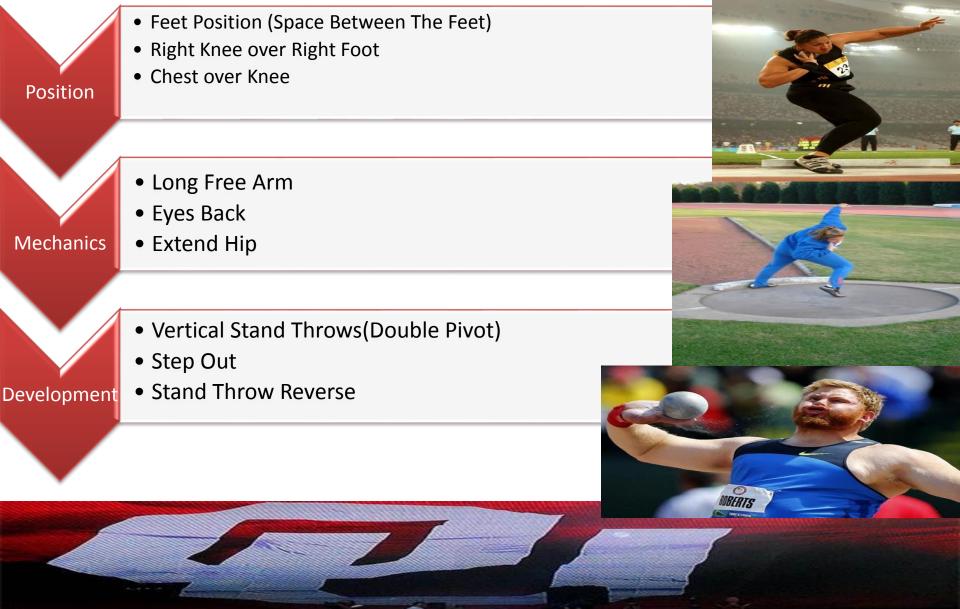
Step in

Full Throw

- Feet Position
- Full Back Swing
- Right Foot Take Off
- South African Position
- Drive Across The Ring



Stand Throw Mechanics



Face The Throw!

- Left Foot facing the Sector from the Back of the Ring
- Back Swing Alignment

Position

Mechanics

Development

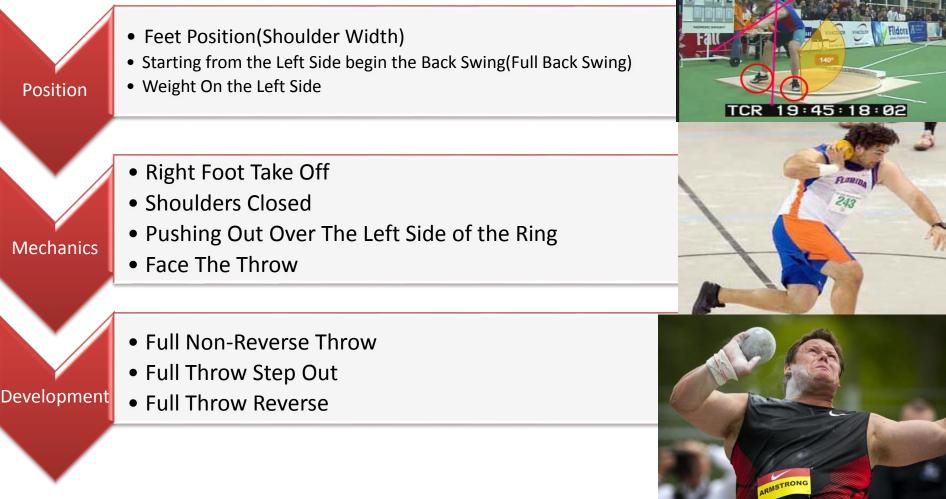
- Balanced Position Prior to Take Off
 - Right Foot Take off & Step Into The Middle
 - Shoulders Closed & Discus in Full Back Swing
 - Face The Throw
 - Landing and Alignment
 - Step In Vertical Stand Throws(Double Pivot)
 - Step In/Step Out
 - Step In Stand Throw Reverse







Full Throws



Glide Shot Put

- Long Free Arm
- Eyes Back
- Extend Hip

Stand

Full Glide

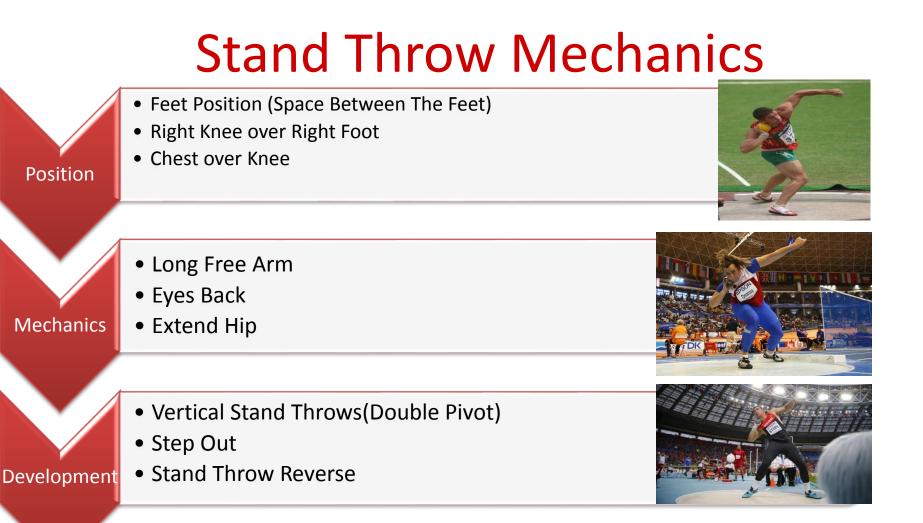
- Left Leg Extended(Push off the Heel)
- Land Over The right foot
- Lock Left Stand Mechanics
 - Start Position
 - Extension of the free Leg(Half Glide)
 - Stand Mechanics



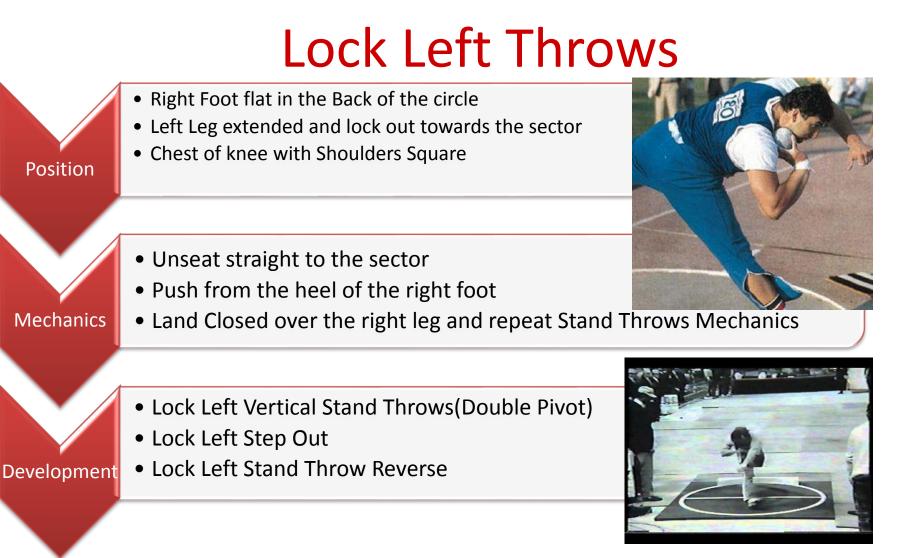








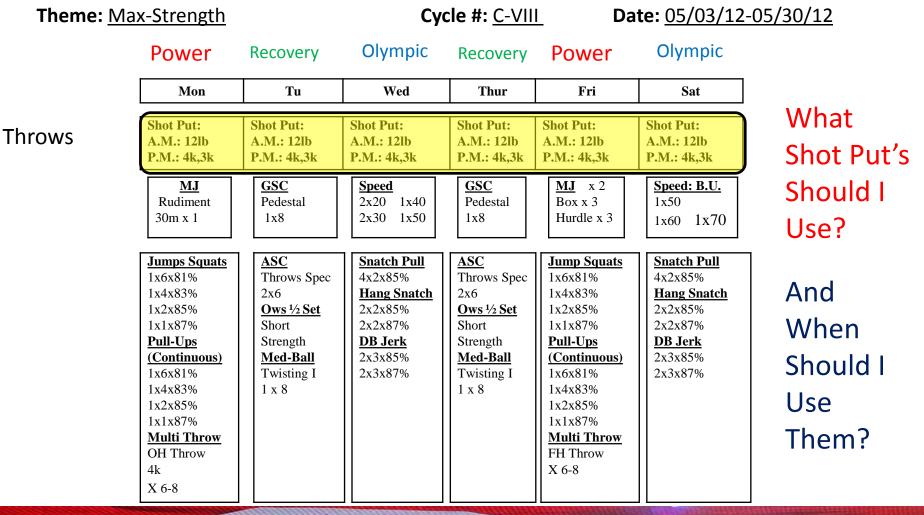






Full Glide Throws Low Start Position Left Leg extended and locked out towards the sector Land with Chest over the knee, Shoulders Square (Stand Throws Mechanics) Position Slow to Fast Rhythm • Push from the heel of the right foot **Mechanics** • Land Closed over the right leg and repeat Stand Throws Mechanics Full Glide Vertical Stand Throws(Double Pivot) • Full Glide Step Out • Full Glide Stand Throw Reverse Development





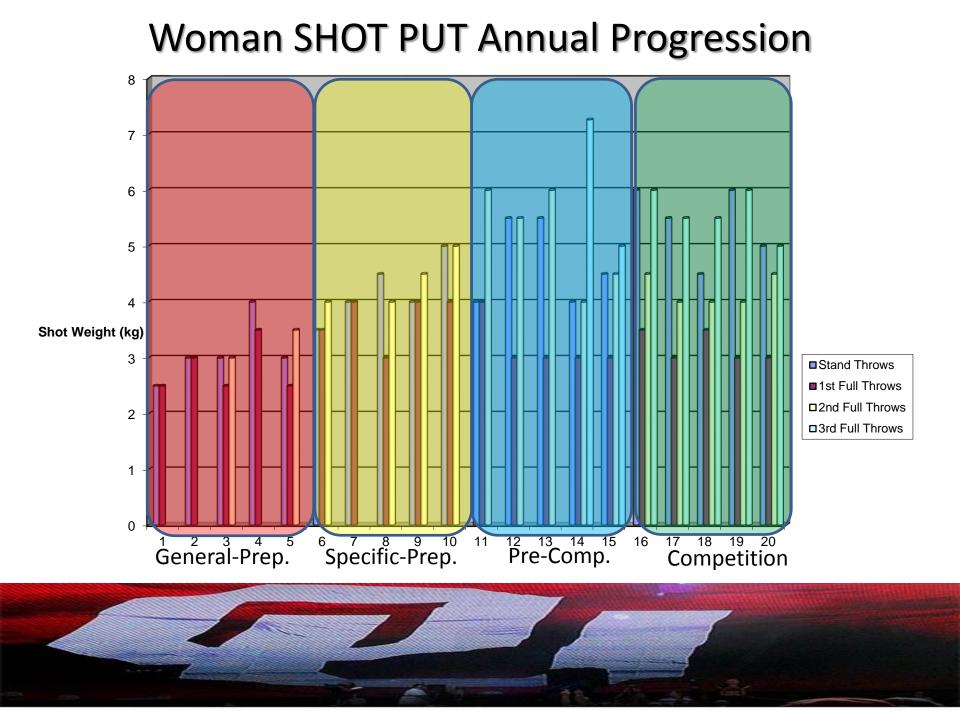
SHOT PUT: Training Plans (Comp II:Throws-Performance.)

		and the second se	ELING CHA	RACTERISTI	CS FOR W	UMEN					
Exercises	The results for of sportsmen of various sport grading										
	13-14 m	14-15 m	15-16 m	16-17 m	17-18 m	18-19 m	19-20 m				
Shot put 3 kg	14.5-15.5	15.5-16.5	16.5-17.5	17.5-18.5	18.5-19.5	19.5-20.5	20.5-21.5				
Shot put 3.5 kg	14-15	15-16	16-17	17-18	18-19	19-20	20-21				
Shot put 5 kg	11.5-12.5	12.5-13.5	13.5-14.5	14.5-15.5	15.5-16.5	16.5-17.5	17.5-18.5				
Shot put 6 kg	10-11	11-12	12-13	13-14	14-15	15-16	16-17				
Shot put 7.260 kg				9-10	10-11	11-12	12-13				
Snatch	50	60	65	70	80	85	90				
Clean	65	70	75	80	90	100	110				
Half squat	110	120	130	140	150	160	170				
Bench press	80	90	105	120	130	140	150				
Long jump	230	240	240	250	250	260	260				
Triple jump	720	740	760	780	800	810	820				
Up-jump	70	73	80	85	85	85	85				
Shot put forwards	13	14	15	16	17	18	19				
Shot put backwards	15	16	17	18	19	20	21				



The results of the correlation analysis in shot put women between different kinds exercises

	Result, correlation coefficient									
Exercises	13-	14-	15-	16-	17-	18-	19_			
	14 M	15 M	16 M	17 M	18 M	19 M	20 M			
Shot put 3 kg	0.765	0.745	0.645	0.687	0.654	0.624	0.567			
Shot put 3.5 kg	0.778	0.742	0.742		0.738	0.736	0.788			
Shot put 5 kg	0.654	0.765	0.704	0.789	0.845	0.792	0.765			
SHOL DUL 6 Kg	0.554	0.589	0.524	0.524	0.627	0.785	0.806			
Shot put 7.260 kg	-	-	-	0.665	0.765	0.675	0,706			
Shot put 3.5 (st)	0.865	0.804	0.842	0.708	0.658	0.742	0.697			
Shot put 6 kg (st)	0.487	0.567	0.508	0.765	0.724	0.708	0.745			
Shalch	0.556	0.387	0.394	0.345	-0.287	0.245	0.245			
Clean	0.425	0.367	0.302	-0.265	0.214	-0.198	0.197			
Squat	0.605	0.567	0.424	0.455	0.396	-0.345	0.228			
Bench press	0.547	0.654	0.567	0.508	0.456	0.367	0.358			
Long jump	0.458	0.421	0.366	-0.307	.0.293	-0.245	0.224			
Triple jump	0.425	0.365	0.305	0.276	0.224	-0.198	0.241			
	0.514	0,467	0.424	0.356	0.267	0.212	0.224			
Shot put forwards	-0.396	0.324	0.278	0.250	0.221	-0.187	0.228			
Shot put backwards	0.422	0.456	0.387	-0.324	0.228	0.235	. 0.229			
30 m b/s	0,498	0.425	0.376	-0.309	0.256	0.187	0.167			



Questions?

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