



#### **PRESENTATION GOALS**

- Help your vaulters stay safe and vault higher
- Develop an understanding of the cause and effect that occurs in the pole vault
- Identify mistakes common among high school pole vaulters
- Develop interventions to implement with your vaulters
- Gain a different perspective on how to coach the pole vault

2

#### MY BACKGROUND

- High School at Monroe City
- Mizzou Pole Vaulter (06-11)
- 2 years Coaching at Mizzou 2 years of Post-Collegiate Vaulting
- 11th year Coaching at Battle High School
- Coaching Influences
   Dennis Hancock, Todd Cooper, Rick Attig, Alan Launder,
   Dan Lefever, Rick McGuire, Brett Halter



#### Recruiting "ATHLETES" for the Pole Vault

- Good athletes tend to make good pole vaulters seek out good athletes, <u>but</u> <u>never turn down a motivated athlete</u>
- Speed makes every event better, including the pole vault
- Rookies aren't always a bad thing
- Coachable and resilient athletes wanted
- With males, the break throughs sometimes don't come until junior year



4

**Involving Athletes in the Coaching Process** 

- · Critical for athletes to understand the event

- Develops:
   Confidence
   Ownership
   intrinsic motivation
   Independence
- Helps them understand the "why"

- Reighs then trulersand the wife

   Collaborate with your athlete

   "What happened on that vault?"

   "What did that vault feel like?"

   "What do we need to do better on the next vault?"

   "What do you think?"



5

## **Everything is Connected**

- When coaching understand:

  It takes a couple years for athletes to develop "feeling" in the vault

  Not every drill or position in the vault is attainable/necessary

  Don't be afraid to adapt the model to the athlete

  - When coaching treat the cause not the symptom

  - Every movement is important
     Athletes need to exaggerate to correct
     "If it feels normal, nothing changed,

    - "make it feel different"



What Most Athletes See During the Vault.

### How you carry the pole matters

Pole Carry Position

High and tight to body
Relaxed
Across Body
Grip with right
Relaxed with left
Low "Left Elbow

Problems due to improper pole carry
Locked left arm/grip – can't drop pole effectively
Pole too far forward can cause vaulter to over stride

RACK & FIEL

RACK & FIEL

8

### The Approach and Pole Drop

Points of Emphasis	
Push to Tall	
High knees	
Tall posture	
Progressive Run	
<ul> <li>Left arm high, elbow down, right hand moving upward</li> </ul>	
Gradual Pole Drop     Vertical until 5	
Utilize mid mark and take off mark	
Pole parallel with ground at "lift"	
THE GOAL IS TO ARRIVE AT THE PLANT/TAKEOFF AT:	
MAX VELOCITY	
UNDER CONTROL	DA OV O FUEL
<ul> <li>AND IN POSITION TO JUMP/PLANT</li> </ul>	RACK & FIEL



#### The Approach and Pole Drop Common Errors



11



# More Drills to correct pole carry, pole drop and approach

- Pole Runs, Pule Runs and More Pole Runs
- Standing pole drop
- Continuous pole drops
- Pole runs into a cone
- Flying 10's with pole
- Rotary runs (wickets) with pole
- 20-20 drills
- 20 strides in 20 meters
- Single arm pole runs
- Sprint drills (with and without pole)



13

#### Pole Runs, Pole Runs and Pole Runs



14

#### The Plant and Takeoff – the crux of the vault

#### Points of Emphasis

- Start lifting 4 stride from takeoff (pole parallel to ground)
- Move hand in front of armpit and behind the ear
- left hand high
- load on the penultimate (proactive takeoff)
- Last step underneath the hips
   Right arm FULLY extended and above the toes
- Eyes up, chest tall
  On the toe before the poles hits the box
- Left wrist under the pole
- Press up with both hands







#### **The Plant and Takeoff Common Errors**

• Late Plant	• Left wrist on side
<ul> <li>Forward Plant</li> </ul>	•Chin down
<ul> <li>Early plant</li> </ul>	
<ul> <li>Squatting at take off</li> </ul>	
<ul> <li>No jump at takeoff</li> </ul>	
<ul><li>Over Stride</li></ul>	The ship of
<ul> <li>Braking at takeoff</li> </ul>	DAGK S FIFE
	RAUK & FIEL

#### **Drills to Correct the Plant and Take Off**

- Standing Plants
   Slow and fast
- Slow and ras
   Wall Plants
- Walking plants
   Freeze and reverse
- 2 Step Plants
- Over the tip drill
- Pole runs



19

#### Row, Swing, invert, AKA the Rest of the Vault

Points of Emphasis

- Follow through the takeoff
- Keep right arm extended through the swing
- Row with the right and the left
- Swing a long aggressive left leg
   Extend the body to the cord
- Extend the body to the cord
- Row/swing the right knee to the top hand
   Use loop paying through the world.
- Hips keep moving through the vault
- Goal is to be fully inverted with a slight bend remaining
   The true is a part of the swing.
- $\bullet$  The turn is a part of the swing
- Turn with the feet (not the arms)
- Loose sight of the bar

20





#### **Swing and Invert Common Errors**

- Pulling on the pole
- Tucking the left leg
- Forcing the backwards C
- Swinging too early
- Pushing too long with left arm
- Hips too low when the feet get to the pole
- Turning with arms
- Watching the crossbar



23

#### Drills Aid/Correct the Row/Swing/Invert

- Single arm straight pole inverts
- Straight pole inverts (with turn)
- Straight pole completions
- Rope vaults
- MB slams paired with vaults
- Floor inverts
- Kicking bungies
- Vaulting with a crossbar



#### **Miscellaneous Coaching items**

- Standards at 80cm
- Limited Video
- Work on developing a feel for the vault
- Short approach vaults
  - Keep track of short approach PR's
- Explain the why
  - Build understanding and independence



25

#### Thank you!

