



# Koa Sports Travel Baseball



## Data and Metrics

Key:	Needs Improvement										
	On Par										
	Excellent										
<b>10U</b>				<b>13U</b>							
<b>Ranges:</b>				<b>Ranges:</b>							
<i>Swing Speed</i>	under 43	43-46	47+	<i>Swing Speed</i>	under 54	54-58	59+				
<i>Attack Angle</i>	under 5/over 15	5-8, 13-15	9-12	<i>Attack Angle</i>	under 5	5-8, 13-15	9-12				
<i>Time to Contact</i>	.275+	.231-.274	under .230	<i>Time to Contact</i>	over .19	.160-.190	under .16				
<i>Exit Velocity</i>	under 51	51-57	58+	<i>Exit Velocity</i>	under 61	61-69	70+				
<i>Max Pulldown</i>	under 50	50-55	56+	<i>Pulldown</i>	under 72	72-77	78+				
<i>5-10-5 Agility</i>	5.5+	4.9-5.4	under 4.9	<i>5-10-5 Agility</i>	4.9+	4.3-4.8	under 4.3				
<b>11U</b>				<b>14U</b>							
<b>Ranges:</b>				<b>Ranges:</b>							
<i>Swing Speed</i>	under 46	46-49	50+	<i>Swing Speed</i>	under 59	59-64	65+				
<i>Attack Angle</i>	under 5/over15	5-8, 13-15	9-12	<i>Attack Angle</i>	under 5	5-8, 13-15	9-12				
<i>Time to Contact</i>	.25+	.2-.249	under .2	<i>Time to Contact</i>	over .175	.151-.175	under .151				
<i>Exit Velocity</i>	under 55	55-63	64+	<i>Exit Velocity</i>	under 71	71-79	80+				
<i>Pulldown</i>	under 58	58-63	64+	<i>Pulldown</i>	under 78	78-83	84+				
<i>5-10-5 Agility</i>	5.3+	4.7-5.2	under 4.7	<i>5-10-5 Agility</i>	4.7+	4.1-4.6	under 4.1				
<b>12U</b>				<b>High School</b>							
<b>Ranges:</b>				<b>Ranges:</b>							
<i>Swing Speed</i>	under 50	50-53	54+	<i>Swing Speed</i>	under 61	61-70	71+				
<i>Attack Angle</i>	under 5/over 15	5-8, 13-15	9-12	<i>Attack Angle</i>	under 5	5-8, 13-15	9-12				
<i>Time to Contact</i>	over .21	.175-.21	under .175	<i>Time to Contact</i>	over .169	.141-.169	under .141				
<i>Exit Velocity</i>	under 58	58-66	67+	<i>Exit Velocity (Metal/Wood)</i>	under 81/76	81-89/76-84	90+/85+				
<i>Pulldown</i>	under 65	65-70	71+	<i>Pulldown</i>	under 84	84-89	90+				
<i>5-10-5 Agility</i>	5.1+	4.5-5.0	under 4.5	<i>5-10-5 Agility</i>	4.7+	4.1-4.6	under 4.1				