



Welcome to the  
**CURVE TEST CENTER**  
Data. Development. Recruitment.™





*The **CURVE Test Center** is where baseball players come to get measurable proof of progress. Powered by cutting-edge tech like Trackman, Proteus, and high-speed cameras, we test how you hit, how you pitch, and how you move, and how you think — and deliver the insights that matter.*

*Today we will be testing how you hit. This portion of the test is called the CURVE Ball Test, and is a standalone assessment, or can be combined with adding BODY and BRAIN Tests to create a **CURVE SCORE**.*

*Whether you're looking to improve, get recruited, or stand out from the crowd, the CURVE Tests gives you an individual SCORE — a performance snapshot used by coaches, scouts, and top organizations to evaluate what you do best and where you can grow.*





## CURVE BALL TEST FOR PITCHER

A **CURVE Ball Test** for a pitcher is a data-driven evaluation designed to measure key aspects of a pitcher's performance, mechanics, and potential using advanced technologies. It's part of the CURVE Test Center platform, which evaluates athletes across Ball, Body, and Brain categories





## What the CURVE Ball Test MEASURES FOR A PITCHER:

- Velocity – Measures max fastball speed using radar (e.g., Pocket Radar or Trackman).
- Spin Rate – Measures how fast the ball spins (revolutions per minute), which affects movement and deception.
- Spin Efficiency / Axis – Evaluates how efficiently spin translates into movement and what direction the spin tilts (important for pitch types like sliders and curveballs).
- Pitch Movement – Horizontal and vertical break compared to MLB averages.
- Release Consistency – Release height, side, and timing consistency pitch-to-pitch.
- Command / Location Accuracy – Measures strike zone accuracy, target zone consistency.
- Pitch Arsenal Assessment – Evaluates fastball, breaking ball, off-speed pitches separately.

### SCORE BREAKDOWN



#### VELOCITY

66

This measures how fast a pitcher throws the ball. It's a key factor for pitchers, with higher velocity generally making pitches harder to hit.



#### VERTICAL MOVEMENT

51

The amount a pitch moves up or down as it travels from release point to the plate.



#### HORIZONTAL MOVEMENT

79

The amount a pitch moves horizontally as it travels from release point to the plate.



#### ACCURACY & CONTROL

82

While accuracy is hitting your spot, control is about consistently throwing the ball where you want it, including within the strike zone.



## Why It's **IMPORTANT:**

### **Objective Feedback**

It gives pitchers measurable feedback on strengths and weaknesses, not just subjective impressions.

### **Developmental Insights**

Helps identify what pitch types are most effective and where mechanical improvements are needed.

### **Recruiting & Scouting**

College coaches and scouts use data like velocity, spin rate, and pitch movement to assess potential—this test creates a data “resume” for the athlete.

### **Injury Prevention**

Consistent mechanics and tracking changes in metrics can flag risk factors for arm injuries early.

### **Competitive Advantage**

Pitchers who understand and train with their data often develop more quickly and outperform peers relying solely on feel.

### **HOW ARE MY SCORES CALCULATED?**

Your Curve Scores are calculated using proprietary algorithms and formulas developed in collaboration with leading experts from the NCAA, MiLB, and MLB, as well as top professionals in sports science and human performance technology.



## CURVE BALL TEST FOR HITTERS

### What is a CURVE Ball Test for a Hitter?

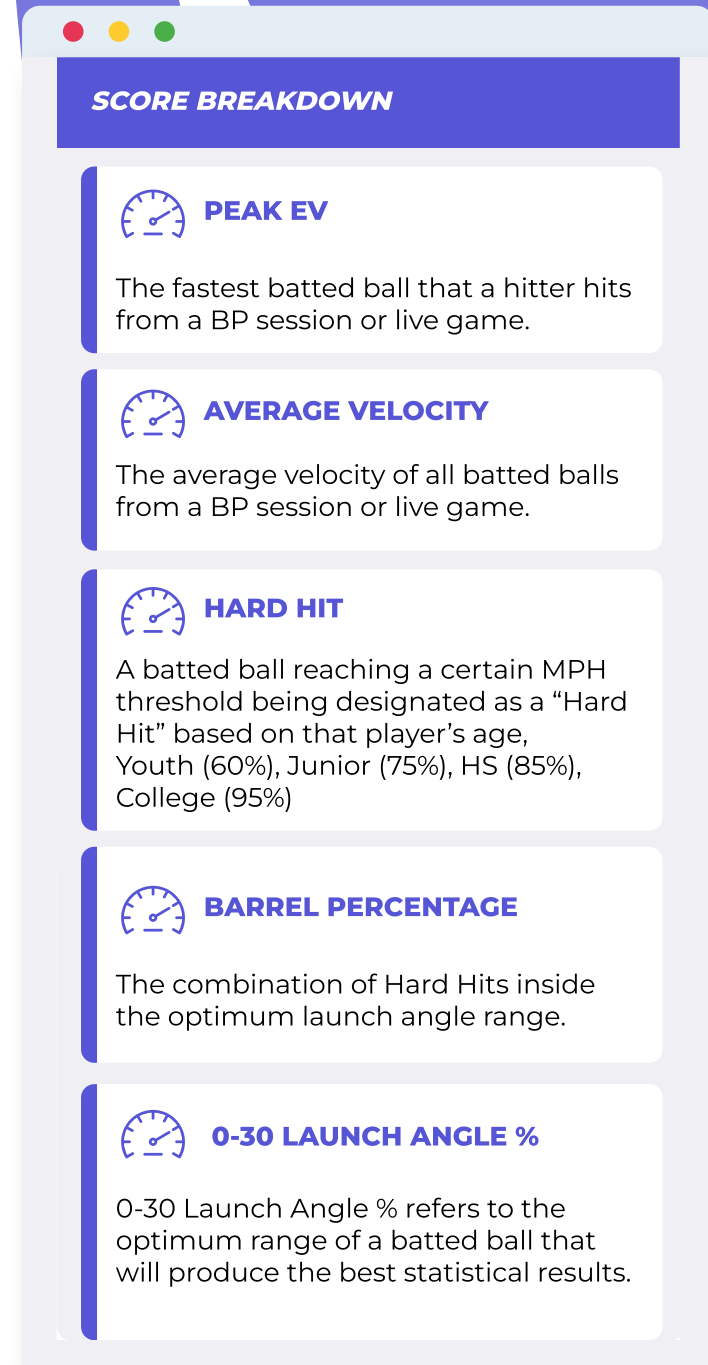
The CURVE Ball Test evaluates a hitter's ability to hit for power, speed, and efficiency using pro-level tools like Trackman, Pocket Radar, and swing sensors. It captures the data that matters most for development, recruiting, and in-game success.





## What It MEASURES:

- Exit Velocity - How hard the ball comes off the bat (mph). A key indicator of raw power.
- Launch Angle - The vertical angle at which the ball leaves the bat. Helps determine line drive, fly ball, or ground ball tendencies.
- Distance - Measures the carry of each hit — important for power projection and barrel control.
- Attack Angle - The upward or downward path of the bat through the hitting zone. Helps optimize for line drive and fly ball efficiency.
- Bat Speed - How fast the bat is moving at impact. Crucial for adjusting to velocity and driving the ball.
- Swing Efficiency - Metrics like early connection, connection at impact, and time to contact evaluate how efficiently a swing delivers power and adjusts to pitch location/speed.
- Barrel Accuracy & Consistency - How often and how well the hitter finds the “sweet spot” — consistency here leads to results at every level.





## Why It's **IMPORTANT:**

### **Transforms Feel into Real**

Most hitters guess at what's working — this test shows them exactly what's happening at contact.

### **Unlocks Development**

Coaches and athletes can target specific mechanical or timing flaws with real-time feedback.

### **Recruiting & Exposure**

Exit velo and swing metrics are among the most trusted stats for college and pro scouts. This test builds a measurable profile.

### **Compares to the Best**

Trackman-powered leaderboards show how hitters stack up against peers or even pros — by grad year, age, or level.

### **Game Planning & Personalization**

Identifies hitter types (e.g. line drive gap-to-gap vs. launch-driven power hitter) to inform training and approach.

### **HOW ARE MY SCORES CALCULATED?**

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# Frequently Asked Questions

## **What is the CURVE Test Center?**

*A mobile player development lab using pro-level tech to test how you hit, pitch, move, and think. We give you the data that drives improvement—and gets attention from recruiters.*

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## **What is the CURVE Ball Test?**

*A focused test of your hitting or pitching performance using Trackman, radar, and swing sensors. You'll get a BALL SCORE — a snapshot of your current level and potential.*

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## **What is a CURVE SCORE?**

*When you complete all three tests — BALL, BODY, and BRAIN — your results combine into one CURVE SCORE: your full athletic profile.*

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## **When do I get my results?**

*You'll receive your digital BALL SCORE report within 72 hours, including raw data and key insights.*





# Frequently Asked Questions

## Are you filming video?

*Yes. Every session is filmed in high quality. You'll have the option to purchase a highlight video to share with coaches or post online.*

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## How long does the test take?

*Each session lasts approximately 30–45 minutes, including warm-up, instruction, and testing.*

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## How many reps do I get?

*Pitchers: 20–25 pitches*

*Hitters: 15–25 swings (tee, front toss, or machine depending on level)*

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## What is the BALL SCORE based on?

*Your most important performance metrics — like exit velo, spin rate, pitch movement, swing efficiency — all adjusted for age and level.*





# Frequently Asked Questions

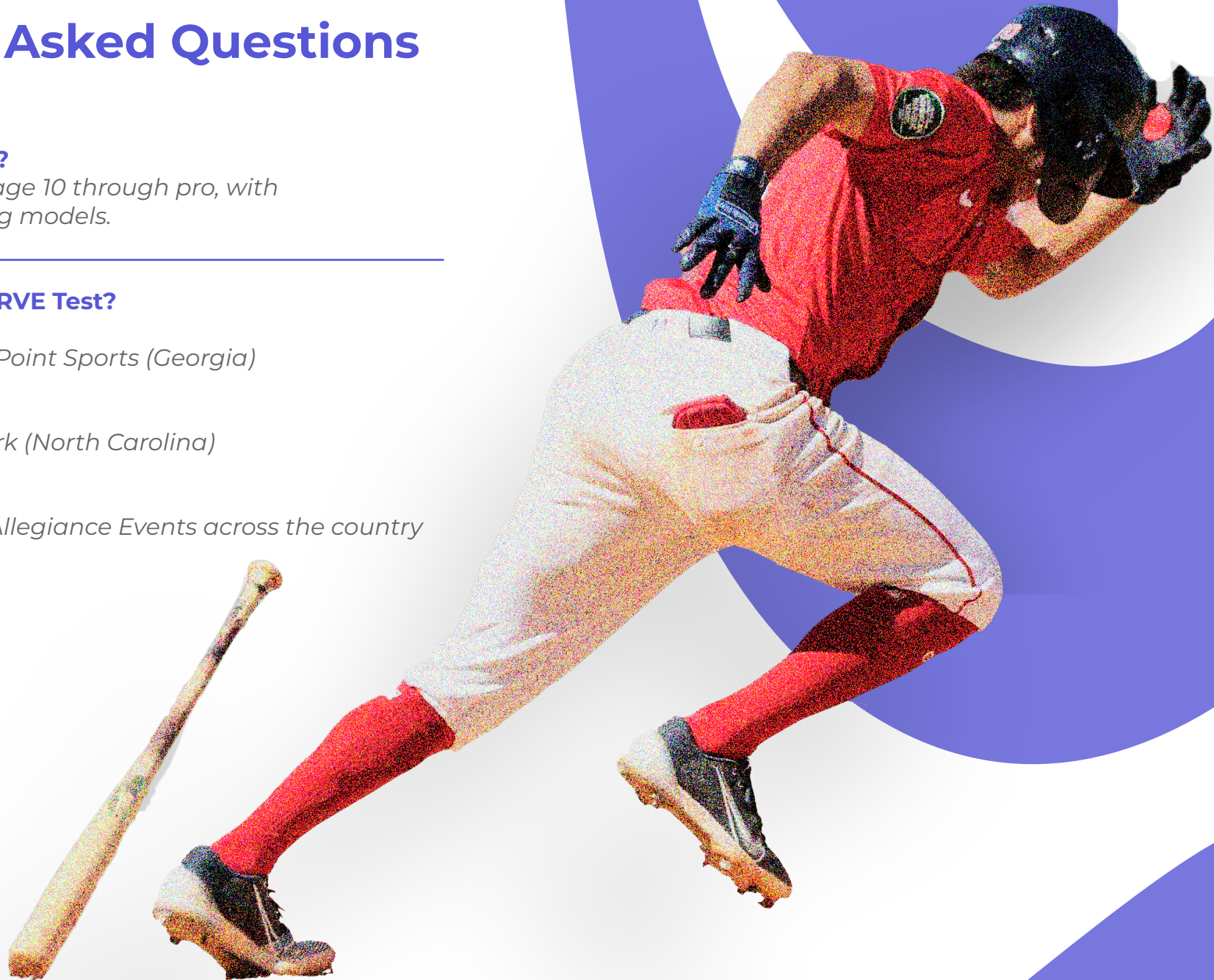
## Who can take the test?

*We test athletes from age 10 through pro, with age-appropriate scoring models.*

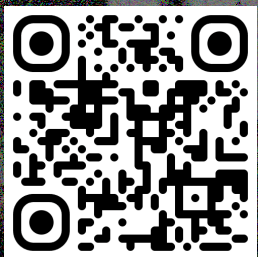
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## Where can I take a CURVE Test?

- *The Bubble at LakePoint Sports (Georgia)*
- *Carolina Athletic Park (North Carolina)*
- *At major Diamond Allegiance Events across the country*







Scan the QR Code  
to Learn More & Register!  
**CurveTestCenters.com**



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CURVE Intro **Video:**



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