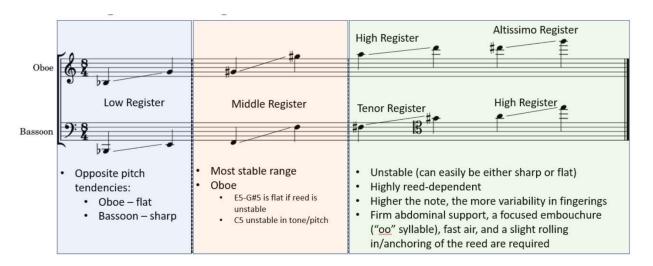
# Strategies for Improving Double-Reed Intonation

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### SOUND PRODUCTION

Addressing aspects of sound production fixes many intonation issues.

- 1. **Deep Breathing:** Allow movement through lower torso.
- 2. Abdominal Support: Firm engagement through and between notes
- 3. Fast, Focused Air: Like blowing cold air on hand
- 4. **Embouchure:** Corners pointed in ("oo" vowel shape) and firm; Vowel sound appropriate to register (ah-ae-ee)

#### **OBOE REEDS**

#### **TESTS**

#### **Thread Crow**

- Purse lips, put reed into mouth until lips touch the thread.
- o Blow. Goal is a C, up to C#

### Tip Crow

- o Normal playing embouchure
- Play mf, then roll reed out of mouth by pursing lips
- o Goal: starting pitch of B, end of gliss an Ab (no more than major 3<sup>rd</sup>)

## **ADJUSTMENTS**

## If the reed is flat/unstable

- o Soak for less time, let dry out
- Close the opening (once soaked) by squeezing halfway up the wood five times

# If the reed is sharp/limiting

- Soak for longer
- o Squeeze open from side of reed

# BASIC BASSOON REED WIRE ADJUSTMENTS

- **Optimal tip opening:** 1-1.5 mm top to bottom at mid-point of tip opening Always soak your reed before making any wire adjustments.

	Adjustment	Tip Opening	Tone	Pitch	Response
Wire 1	Squeeze side-to- side	Larger	Darker	Lower	More resistant
	Squeeze top-to- bottom	Smaller	Brighter	Higher	Less resistant
Wire 2	Squeeze side-to- side	Smaller	Darker	Higher	Less resistant
	Squeeze top-to- bottom	Larger	Brighter	Lower	More resistant

# ADJUSTING PITCH

If pitch is SHARP:	If pitch is FLAT:	
- Breathe deep	- Firm abdominal support through, between notes	
- "Ah" syllable (open back of mouth)	- Fast/focused air (like blowing cold air on hand)	
- Round embouchure ("oo" syllable)	- Firm corners of embouchure (firm "oo")	
- Less reed in mouth and/or roll out	- More reed in mouth and/or roll in	

If you hear:	Say:
Flat pitch, spread sound	<ul><li>Abdominal support</li><li>Cold air</li><li>Firm corners</li></ul>
Flat pitch, focused sound	<ul><li>Roll embouchure in slightly (inverted pucker)</li><li>Anchor to one lip</li></ul>
Sharp pitch, pinched sound	<ul> <li>Deep breath</li> <li>"Ah" mouth shape</li> <li>Round embouchure ("oo" shape)</li> </ul>
Sharp pitch, round sound	<ul><li>Roll embouchure out slightly (pucker)</li><li>"Ah" mouth shape</li></ul>
Inconsistent intonation and unconnected notes	<ul><li>Firm abdominal support between notes</li><li>Continuous, fast air</li></ul>