

Basic Repair and Regulation Class - Subject Outline

TOPIC		DONE
The Upright Action		✓
	Parts	✓
	How it Works	✓
	It's All About the Jack	✓
	The Regulation Triangle	✓
Upright Regulation - For Feel		✓
	Level	✓
	Dip	✓
Upright Regulation - For Expression		✓
	Blow Distance	✓
	Lost Motion	✓
	Let Off	✓
	Spoons and Back Checks	✓
Upright Regulation - For Tone		✓
	Tone Problems: Bass, Tenor, and Treble	✓
	Traveling	✓
	Horizontal Alignment	✓
	String Level	✓
	Hammer Mating	✓
	Needling (Minor Voicing)	✓
Dampers		✓
	Types	✓
	Removing the Action	✓
	Replacing Dampers	✓
	Individual Mating	✓
	Regulating Pedal (Plus Other Pedals)	✓
	Spoons	✓

	TOPIC	DONE
Grand Regulation		<input checked="" type="checkbox"/>
	Removing the Action	<input checked="" type="checkbox"/>
Hammers		<input checked="" type="checkbox"/>
Keys		<input checked="" type="checkbox"/>
Action		<input checked="" type="checkbox"/>
	Gravity	<input checked="" type="checkbox"/>
	Repetition Lever	<input checked="" type="checkbox"/>
	Drop	<input checked="" type="checkbox"/>
	Jack and Aftertouch	<input checked="" type="checkbox"/>
Dampers		<input checked="" type="checkbox"/>
Other Pedals		<input checked="" type="checkbox"/>
	Una Corda	<input checked="" type="checkbox"/>
	Sostenuto	<input checked="" type="checkbox"/>
String Repairs		
	Making a coil	<input checked="" type="checkbox"/>
	Replacing a treble string	<input checked="" type="checkbox"/>
Wound Strings		<input checked="" type="checkbox"/>
	Replacement	<input checked="" type="checkbox"/>
	Tying a knot	<input checked="" type="checkbox"/>
	Hitch pin loop	<input checked="" type="checkbox"/>
Hammer Repairs		
	Filing	<input checked="" type="checkbox"/>
	Replacing	<input checked="" type="checkbox"/>
	Mending	<input checked="" type="checkbox"/>
	Replacing a shank	<input checked="" type="checkbox"/>
	Hammer butt plates	<input checked="" type="checkbox"/>
	Bending shanks	<input checked="" type="checkbox"/>
	Traveling shanks	<input checked="" type="checkbox"/>

	Bridle straps	
	TOPIC	DONE
Key Repairs		
	Removing keys	<input checked="" type="checkbox"/>
	Ivory keytop replacement	<input checked="" type="checkbox"/>
	Plastic keytop replacement	<input checked="" type="checkbox"/>
	Key bushings - replacement and easing	<input checked="" type="checkbox"/>
	Broken Keys	<input checked="" type="checkbox"/>
Flanges		
	Discussion of tight and loose center pins	<input checked="" type="checkbox"/>
	Replacing center pins	<input checked="" type="checkbox"/>
	Rebushing	<input checked="" type="checkbox"/>
Tuning Pins and the Pin Block		<input checked="" type="checkbox"/>
Voicing/needling/etc		<input checked="" type="checkbox"/>
Soundboard		<input checked="" type="checkbox"/>