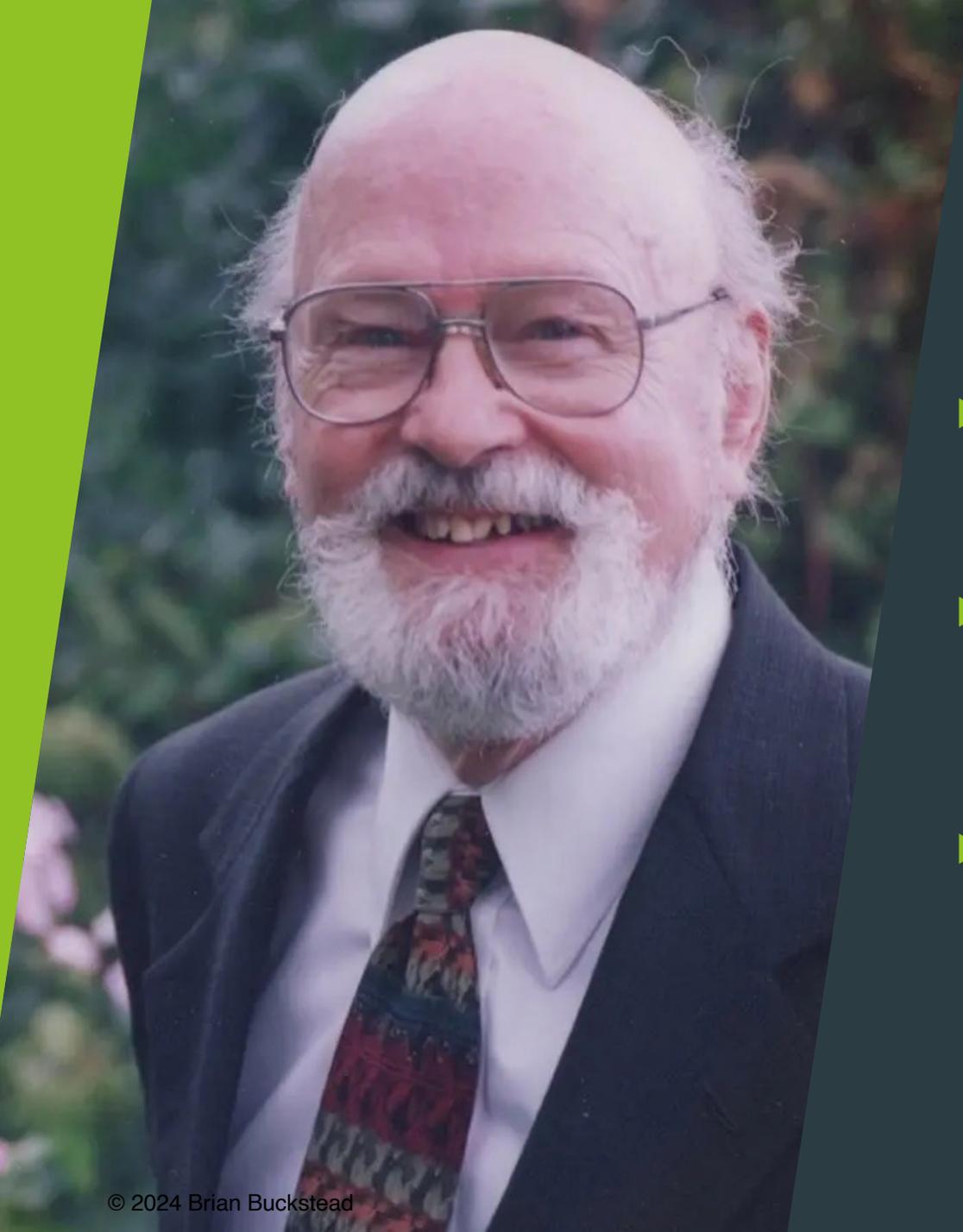


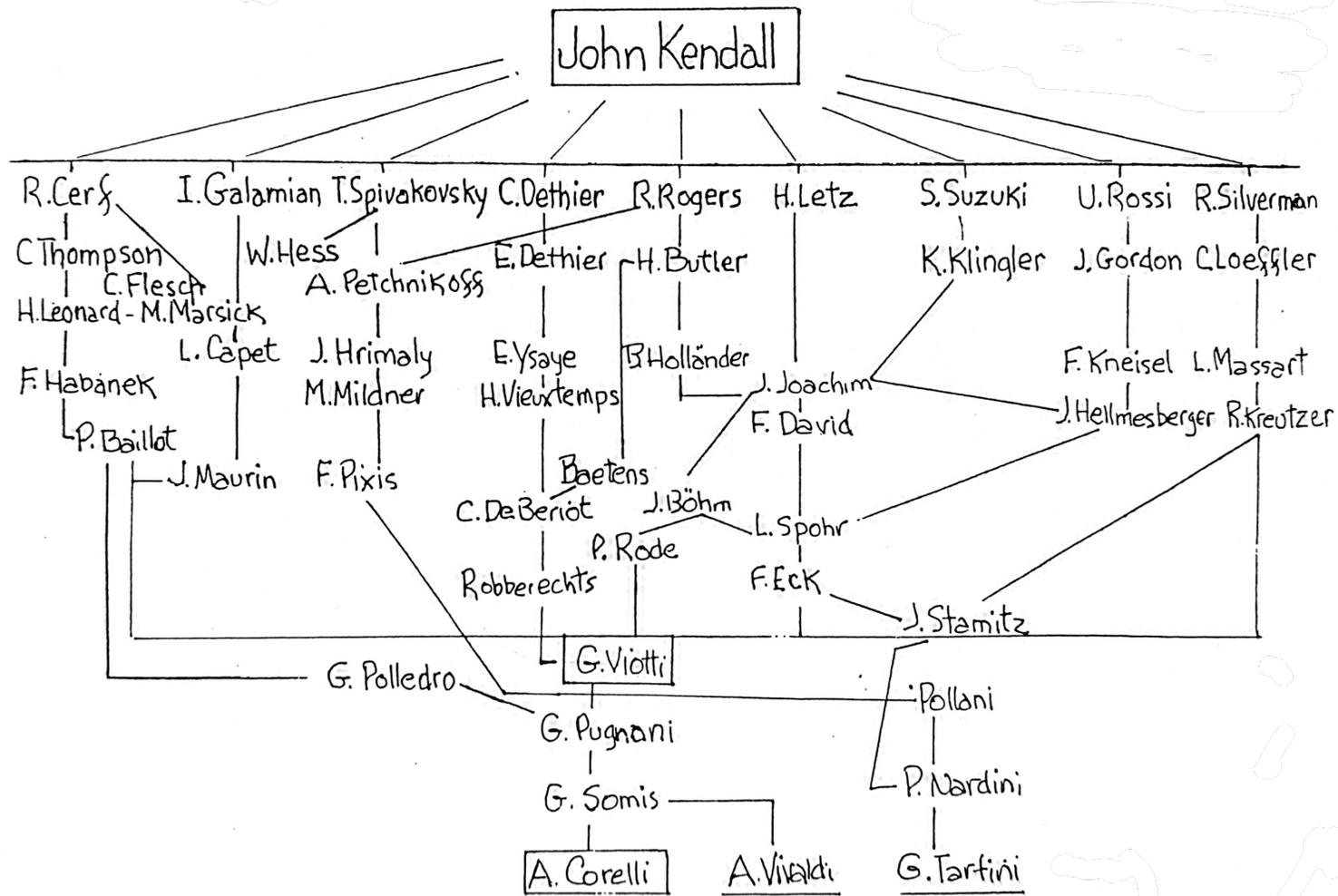
Simplifying the Task: The Violin Exercises of John Kendall





John Kendall (1917-2011)

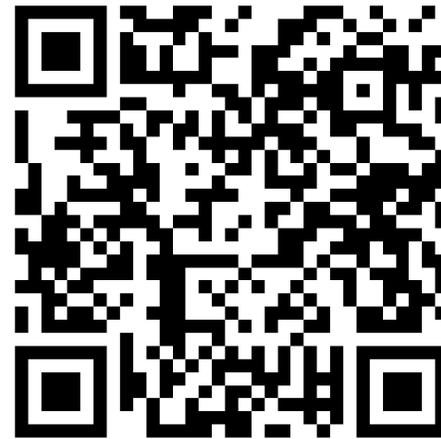
- ▶ Traveled to Japan in the late 1950s and early 1960s to observe and study with Suzuki
- ▶ Translated Suzuki's philosophy (Talent Education) into English and into the American culture (Listen and Play)
- ▶ Developed and directed the Suzuki program at Southern Illinois University Edwardsville from 1963 until his retirement in 1994



John Kendall's Pedagogical Lineage

Ideas for Teaching Violin: A Selection of Pedagogical Points from Corelli to 2000

- ▶ Video series from 1991
- ▶ A compendium of Kendall's philosophy and pedagogy
- ▶ <https://internationalsuzuki.org/john-kendall/video-index>



Basic Practice Steps

First Family

Step One: One bow per note staccato

- ▶ Simplify the passage by giving every note a distinct “K” sound and an energetic bow stroke

The image displays two staves of musical notation in 2/4 time. The top staff shows a melodic line with a slur over the first six notes and a 'v' above the first note. The bottom staff shows the same melodic line with a 'v' above the first note and a 'z' below each note, indicating staccato articulation.

Basic Practice Steps

First Family

Step Two: Hiccup bowing

- ▶ Reinforcement step
- ▶ Fingers first, bow ready, then play



Basic Practice Steps

First Family

Step Three: Doubles

- ▶ Faster tempo and less bow
- ▶ Precise, active fingers



Basic Practice Steps

First Family

Step Four: Staccato with slurs

- ▶ Contain the bow on rapid running passages
- ▶ Up-bow or down-bow staccato for bow distribution



Basic Practice Steps

Second Family: Accents

- ▶ Alternating accents to help the left hand function
- ▶ Highlights weak fingers and puts an emphasis on note(s) that need attention

The image displays four staves of musical notation, each representing a different fingering for a piano exercise. Each staff begins with a treble clef, a 2/4 time signature, and a key signature of one flat (B-flat). The notes are: G4, A4, B-flat4, C5, B-flat4, A4, G4, F4, E4, D4. A slur covers the first seven notes. The eighth note is a whole rest. The piece ends with a double bar line and a repeat sign. The four staves show the following accent patterns:

- Staff 1: Accents on G4, B-flat4, C5, B-flat4, and G4.
- Staff 2: Accents on G4, A4, B-flat4, C5, B-flat4, and G4.
- Staff 3: Accents on G4, A4, B-flat4, C5, B-flat4, and G4.
- Staff 4: Accents on G4, B-flat4, C5, B-flat4, and G4.

Basic Practice Steps

Third Family: Holds

- ▶ Alternating holds to help the left and right hands function
- ▶ Highlights individual notes and string crossings



Basic Practice Steps

Fourth Family: Rhythms

- ▶ Use rhythms to force the fingers to be steady
- ▶ Helps rhythmically stabilize the run



Basic Practice Steps

Fifth Family: Tapping

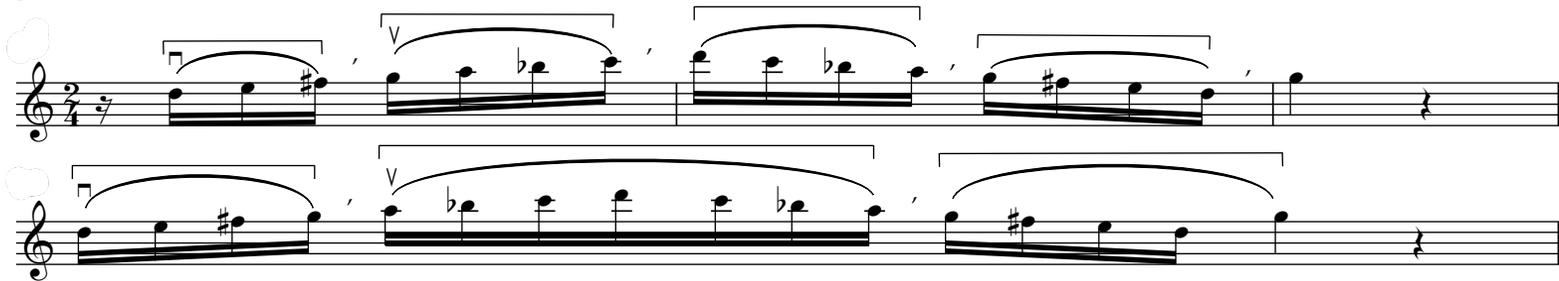
- ▶ Play the passage with open strings to liberate the hand and keep it from clutching up
- ▶ Reinforces precise note placement on the fingerboard



Basic Practice Steps

Sixth Family: Units

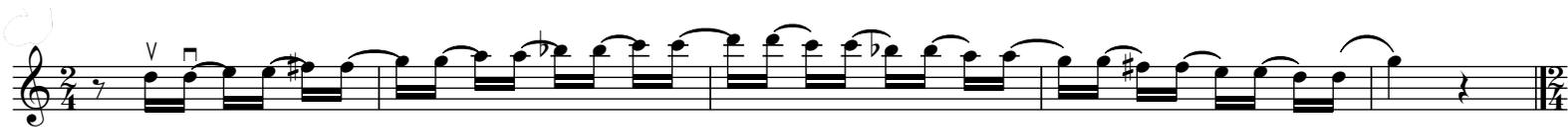
- ▶ Divide the passage up into units/groups (stop-think-organize-go)
- ▶ Units can be created from rhythmic groups, string crossings, positions, etc.



Basic Practice Steps

Seventh Family: Bowings

- ▶ Overlap bowing reinforces clarity, intonation, precision, and evenness
- ▶ Simple legato stroke in the middle of the bow, so the left hand is not inhibited by bow changes



Walking Fifth Exercise

- ▶ Derives from Suzuki's Position Etudes
- ▶ Promotes perfect fifths across the strings using a "walking" motion of the fingers and a natural swing of the arm
- ▶ Promotes a natural arc of the bow

Walking Fifth Exercise

The image displays a musical score for a 'Walking Fifth Exercise' across four staves. Each staff begins with a treble clef and a key signature of one sharp (F#). The first staff starts with a quarter rest, followed by a half note G4 with a natural sign and a '0' above it, and then a series of eighth notes: A4, B4, C#5, D5, E5, F#5, G5, A5, B5, C#6, D6, E6, F#6, G6, A6, B6, C#7, D7, E7, F#7, G7, A7, B7, C#8, D8, E8, F#8, G8, A8, B8, C#9, D9, E9, F#9, G9, A9, B9, C#10, D10, E10, F#11, G11, A11, B11, C#12, D12, E12, F#13, G13, A13, B13, C#14, D14, E14, F#15, G15, A15, B15, C#16, D16, E16, F#17, G17, A17, B17, C#18, D18, E18, F#19, G19, A19, B19, C#20, D20, E20, F#21, G21, A21, B21, C#22, D22, E22, F#23, G23, A23, B23, C#24, D24, E24, F#25, G25, A25, B25, C#26, D26, E26, F#27, G27, A27, B27, C#28, D28, E28, F#29, G29, A29, B29, C#30, D30, E30, F#31, G31, A31, B31, C#32, D32, E32, F#33, G33, A33, B33, C#34, D34, E34, F#35, G35, A35, B35, C#36, D36, E36, F#37, G37, A37, B37, C#38, D38, E38, F#39, G39, A39, B39, C#40, D40, E40, F#41, G41, A41, B41, C#42, D42, E42, F#43, G43, A43, B43, C#44, D44, E44, F#45, G45, A45, B45, C#46, D46, E46, F#47, G47, A47, B47, C#48, D48, E48, F#49, G49, A49, B49, C#50, D50, E50, F#51, G51, A51, B51, C#52, D52, E52, F#53, G53, A53, B53, C#54, D54, E54, F#55, G55, A55, B55, C#56, D56, E56, F#57, G57, A57, B57, C#58, D58, E58, F#59, G59, A59, B59, C#60, D60, E60, F#61, G61, A61, B61, C#62, D62, E62, F#63, G63, A63, B63, C#64, D64, E64, F#65, G65, A65, B65, C#66, D66, E66, F#67, G67, A67, B67, C#68, D68, E68, F#69, G69, A69, B69, C#70, D70, E70, F#71, G71, A71, B71, C#72, D72, E72, F#73, G73, A73, B73, C#74, D74, E74, F#75, G75, A75, B75, C#76, D76, E76, F#77, G77, A77, B77, C#78, D78, E78, F#79, G79, A79, B79, C#80, D80, E80, F#81, G81, A81, B81, C#82, D82, E82, F#83, G83, A83, B83, C#84, D84, E84, F#85, G85, A85, B85, C#86, D86, E86, F#87, G87, A87, B87, C#88, D88, E88, F#89, G89, A89, B89, C#90, D90, E90, F#91, G91, A91, B91, C#92, D92, E92, F#93, G93, A93, B93, C#94, D94, E94, F#95, G95, A95, B95, C#96, D96, E96, F#97, G97, A97, B97, C#98, D98, E98, F#99, G99, A99, B99, C#100, D100, E100, F#101, G101, A101, B101, C#102, D102, E102, F#103, G103, A103, B103, C#104, D104, E104, F#105, G105, A105, B105, C#106, D106, E106, F#107, G107, A107, B107, C#108, D108, E108, F#109, G109, A109, B109, C#110, D110, E110, F#111, G111, A111, B111, C#112, D112, E112, F#113, G113, A113, B113, C#114, D114, E114, F#115, G115, A115, B115, C#116, D116, E116, F#117, G117, A117, B117, C#118, D118, E118, F#119, G119, A119, B119, C#120, D120, E120, F#121, G121, A121, B121, C#122, D122, E122, F#123, G123, A123, B123, C#124, D124, E124, F#125, G125, A125, B125, C#126, D126, E126, F#127, G127, A127, B127, C#128, D128, E128, F#129, G129, A129, B129, C#130, D130, E130, F#131, G131, A131, B131, C#132, D132, E132, F#133, G133, A133, B133, C#134, D134, E134, F#135, G135, A135, B135, C#136, D136, E136, F#137, G137, A137, B137, C#138, D138, E138, F#139, G139, A139, B139, C#140, D140, E140, F#141, G141, A141, B141, C#142, D142, E142, F#143, G143, A143, B143, C#144, D144, E144, F#145, G145, A145, B145, C#146, D146, E146, F#147, G147, A147, B147, C#148, D148, E148, F#149, G149, A149, B149, C#150, D150, E150, F#151, G151, A151, B151, C#152, D152, E152, F#153, G153, A153, B153, C#154, D154, E154, F#155, G155, A155, B155, C#156, D156, E156, F#157, G157, A157, B157, C#158, D158, E158, F#159, G159, A159, B159, C#160, D160, E160, F#161, G161, A161, B161, C#162, D162, E162, F#163, G163, A163, B163, C#164, D164, E164, F#165, G165, A165, B165, C#166, D166, E166, F#167, G167, A167, B167, C#168, D168, E168, F#169, G169, A169, B169, C#170, D170, E170, F#171, G171, A171, B171, C#172, D172, E172, F#173, G173, A173, B173, C#174, D174, E174, F#175, G175, A175, B175, C#176, D176, E176, F#177, G177, A177, B177, C#178, D178, E178, F#179, G179, A179, B179, C#180, D180, E180, F#181, G181, A181, B181, C#182, D182, E182, F#183, G183, A183, B183, C#184, D184, E184, F#185, G185, A185, B185, C#186, D186, E186, F#187, G187, A187, B187, C#188, D188, E188, F#189, G189, A189, B189, C#190, D190, E190, F#191, G191, A191, B191, C#192, D192, E192, F#193, G193, A193, B193, C#194, D194, E194, F#195, G195, A195, B195, C#196, D196, E196, F#197, G197, A197, B197, C#198, D198, E198, F#199, G199, A199, B199, C#200, D200, E200, F#201, G201, A201, B201, C#202, D202, E202, F#203, G203, A203, B203, C#204, D204, E204, F#205, G205, A205, B205, C#206, D206, E206, F#207, G207, A207, B207, C#208, D208, E208, F#209, G209, A209, B209, C#210, D210, E210, F#211, G211, A211, B211, C#212, D212, E212, F#213, G213, A213, B213, C#214, D214, E214, F#215, G215, A215, B215, C#216, D216, E216, F#217, G217, A217, B217, C#218, D218, E218, F#219, G219, A219, B219, C#220, D220, E220, F#221, G221, A221, B221, C#222, D222, E222, F#223, G223, A223, B223, C#224, D224, E224, F#225, G225, A225, B225, C#226, D226, E226, F#227, G227, A227, B227, C#228, D228, E228, F#229, G229, A229, B229, C#230, D230, E230, F#231, G231, A231, B231, C#232, D232, E232, F#233, G233, A233, B233, C#234, D234, E234, F#235, G235, A235, B235, C#236, D236, E236, F#237, G237, A237, B237, C#238, D238, E238, F#239, G239, A239, B239, C#240, D240, E240, F#241, G241, A241, B241, C#242, D242, E242, F#243, G243, A243, B243, C#244, D244, E244, F#245, G245, A245, B245, C#246, D246, E246, F#247, G247, A247, B247, C#248, D248, E248, F#249, G249, A249, B249, C#250, D250, E250, F#251, G251, A251, B251, C#252, D252, E252, F#253, G253, A253, B253, C#254, D254, E254, F#255, G255, A255, B255, C#256, D256, E256, F#257, G257, A257, B257, C#258, D258, E258, F#259, G259, A259, B259, C#260, D260, E260, F#261, G261, A261, B261, C#262, D262, E262, F#263, G263, A263, B263, C#264, D264, E264, F#265, G265, A265, B265, C#266, D266, E266, F#267, G267, A267, B267, C#268, D268, E268, F#269, G269, A269, B269, C#270, D270, E270, F#271, G271, A271, B271, C#272, D272, E272, F#273, G273, A273, B273, C#274, D274, E274, F#275, G275, A275, B275, C#276, D276, E276, F#277, G277, A277, B277, C#278, D278, E278, F#279, G279, A279, B279, C#280, D280, E280, F#281, G281, A281, B281, C#282, D282, E282, F#283, G283, A283, B283, C#284, D284, E284, F#285, G285, A285, B285, C#286, D286, E286, F#287, G287, A287, B287, C#288, D288, E288, F#289, G289, A289, B289, C#290, D290, E290, F#291, G291, A291, B291, C#292, D292, E292, F#293, G293, A293, B293, C#294, D294, E294, F#295, G295, A295, B295, C#296, D296, E296, F#297, G297, A297, B297, C#298, D298, E298, F#299, G299, A299, B299, C#300, D300, E300, F#301, G301, A301, B301, C#302, D302, E302, F#303, G303, A303, B303, C#304, D304, E304, F#305, G305, A305, B305, C#306, D306, E306, F#307, G307, A307, B307, C#308, D308, E308, F#309, G309, A309, B309, C#310, D310, E310, F#311, G311, A311, B311, C#312, D312, E312, F#313, G313, A313, B313, C#314, D314, E314, F#315, G315, A315, B315, C#316, D316, E316, F#317, G317, A317, B317, C#318, D318, E318, F#319, G319, A319, B319, C#320, D320, E320, F#321, G321, A321, B321, C#322, D322, E322, F#323, G323, A323, B323, C#324, D324, E324, F#325, G325, A325, B325, C#326, D326, E326, F#327, G327, A327, B327, C#328, D328, E328, F#329, G329, A329, B329, C#330, D330, E330, F#331, G331, A331, B331, C#332, D332, E332, F#333, G333, A333, B333, C#334, D334, E334, F#335, G335, A335, B335, C#336, D336, E336, F#337, G337, A337, B337, C#338, D338, E338, F#339, G339, A339, B339, C#340, D340, E340, F#341, G341, A341, B341, C#342, D342, E342, F#343, G343, A343, B343, C#344, D344, E344, F#345, G345, A345, B345, C#346, D346, E346, F#347, G347, A347, B347, C#348, D348, E348, F#349, G349, A349, B349, C#350, D350, E350, F#351, G351, A351, B351, C#352, D352, E352, F#353, G353, A353, B353, C#354, D354, E354, F#355, G355, A355, B355, C#356, D356, E356, F#357, G357, A357, B357, C#358, D358, E358, F#359, G359, A359, B359, C#360, D360, E360, F#361, G361, A361, B361, C#362, D362, E362, F#363, G363, A363, B363, C#364, D364, E364, F#365, G365, A365, B365, C#366, D366, E366, F#367, G367, A367, B367, C#368, D368, E368, F#369, G369, A369, B369, C#370, D370, E370, F#371, G371, A371, B371, C#372, D372, E372, F#373, G373, A373, B373, C#374, D374, E374, F#375, G375, A375, B375, C#376, D376, E376, F#377, G377, A377, B377, C#378, D378, E378, F#379, G379, A379, B379, C#380, D380, E380, F#381, G381, A381, B381, C#382, D382, E382, F#383, G383, A383, B383, C#384, D384, E384, F#385, G385, A385, B385, C#386, D386, E386, F#387, G387, A387, B387, C#388, D388, E388, F#389, G389, A389, B389, C#390, D390, E390, F#391, G391, A391, B391, C#392, D392, E392, F#393, G393, A393, B393, C#394, D394, E394, F#395, G395, A395, B395, C#396, D396, E396, F#397, G397, A397, B397, C#398, D398, E398, F#399, G399, A399, B399, C#400, D400, E400, F#401, G401, A401, B401, C#402, D402, E402, F#403, G403, A403, B403, C#404, D404, E404, F#405, G405, A405, B405, C#406, D406, E406, F#407, G407, A407, B407, C#408, D408, E408, F#409, G409, A409, B409, C#410, D410, E410, F#411, G411, A411, B411, C#412, D412, E412, F#413, G413, A413, B413, C#414, D414, E414, F#415, G415, A415, B415, C#416, D416, E416, F#417, G417, A417, B417, C#418, D418, E418, F#419, G419, A419, B419, C#420, D420, E420, F#421, G421, A421, B421, C#422, D422, E422, F#423, G423, A423, B423, C#424, D424, E424, F#425, G425, A425, B425, C#426, D426, E426, F#427, G427, A427, B427, C#428, D428, E428, F#429, G429, A429, B429, C#430, D430, E430, F#431, G431, A431, B431, C#432, D432, E432, F#433, G433, A433, B433, C#434, D434, E434, F#435, G435, A435, B435, C#436, D436, E436, F#437, G437, A437, B437, C#438, D438, E438, F#439, G439, A439, B439, C#440, D440, E440, F#441, G441, A441, B441, C#442, D442, E442, F#443, G443, A443, B443, C#444, D444, E444, F#445, G445, A445, B445, C#446, D446, E446, F#447, G447, A447, B447, C#448, D448, E448, F#449, G449, A449, B449, C#450, D450, E450, F#451, G451, A451, B451, C#452, D452, E452, F#453, G453, A453, B453, C#454, D454, E454, F#455, G455, A455, B455, C#456, D456, E456, F#457, G457, A457, B457, C#458, D458, E458, F#459, G459, A459, B459, C#460, D460, E460, F#461, G461, A461, B461, C#462, D462, E462, F#463, G463, A463, B463, C#464, D464, E464, F#465, G465, A465, B465, C#466, D466, E466, F#467, G467, A467, B467, C#468, D468, E468, F#469, G469, A469, B469, C#470, D470, E470, F#471, G471, A471, B471, C#472, D472, E472, F#473, G473, A473, B473, C#474, D474, E474, F#475, G475, A475, B475, C#476, D476, E476, F#477, G477, A477, B477, C#478, D478, E478, F#479, G479, A479, B479, C#480, D480, E480, F#481, G481, A481, B481, C#482, D482, E482, F#483, G483, A483, B483, C#484, D484, E484, F#485, G485, A485, B485, C#486, D486, E486, F#487, G487, A487, B487, C#488, D488, E488, F#489, G489, A489, B489, C#490, D490, E490, F#491, G491, A491, B491, C#492, D492, E492, F#493, G493, A493, B493, C#494, D494, E494, F#495, G495, A495, B495, C#496, D496, E496, F#497, G497, A497, B497, C#498, D498, E498, F#499, G499, A499, B499, C#500, D500, E500, F#501, G501, A501, B501, C#502, D502, E502, F#503, G503, A503, B503, C#504, D504, E504, F#505, G505, A505, B505, C#506, D506, E506, F#507, G507, A507, B507, C#508, D508, E508, F#509, G509, A509, B509, C#510, D510, E510, F#511, G511, A511, B511, C#512, D512, E512, F#513, G513, A513, B513, C#514, D514, E514, F#515, G515, A515, B515, C#516, D516, E516, F#517, G517, A517, B517, C#518, D518, E518, F#519, G519, A519, B519, C#520, D520, E520, F#521, G521, A521, B521, C#522, D522, E522, F#523, G523, A523, B523, C#524, D524, E524, F#525, G525, A525, B525, C#526, D526, E526, F#527, G527, A527, B527, C#528, D528, E528, F#529, G529, A529, B529, C#530, D530, E530, F#531, G531, A531, B531, C#532, D532, E532, F#533, G533, A533, B533, C#534, D534, E534, F#535, G535, A535, B535, C#536, D536, E536, F#537, G537, A537, B537, C#538, D538, E538, F#539, G539, A539, B539, C#540, D540, E540, F#541, G541, A541, B541, C#542, D542, E542, F#543, G543, A543, B543, C#544, D544, E544, F#545, G545, A545, B545, C#546, D546, E546, F#547, G547, A547, B547, C#548, D548, E548, F#549, G549, A549, B549, C#550, D550, E550, F#551, G551, A551, B551, C#552, D552, E552, F#553, G553, A553, B553, C#554, D554, E554, F#555, G555, A555, B555, C#556, D556, E556, F#557, G557, A557, B557, C#558, D558, E558, F#559, G559, A559, B559, C#560, D560, E560, F#561, G561, A561, B561, C#562, D562, E562, F#563, G563, A563, B563, C#564, D564, E564, F#565, G565, A565, B565, C#566, D566, E566, F#567, G567, A567, B567, C#568, D568, E568, F#569, G569, A569, B569, C#570, D570, E570, F#571, G571, A571, B571, C#572, D572, E572, F#573, G573, A573, B573, C#574, D574, E574, F#575, G575, A575, B575, C#576, D576, E576, F#577, G577, A577, B577, C#578, D578, E578, F#579, G579, A579, B579, C#580, D580, E580, F#581, G581, A581, B581, C#582, D582, E582, F#583, G583, A583, B583, C#584, D584, E584, F#585, G585, A585, B585, C#586, D586, E586, F#587, G587, A587, B587, C#588, D588, E588, F#589, G589, A589, B589, C#590, D590, E590, F#591, G591, A591, B591, C#592, D592, E592, F#593, G593, A593, B593, C#594, D594, E594, F#595, G595, A595, B595, C#596, D596, E596, F#597, G597, A597, B597, C#598, D598, E598, F#599, G599, A599, B599, C#600, D600, E600, F#601, G601, A601, B601, C#602, D602, E602, F#603, G603, A603, B603, C#604, D604, E604, F#605, G605, A605, B605, C#606, D606, E606, F#607, G607, A607, B607, C#608, D608, E608, F#609, G609, A609, B609, C#610, D610, E610, F#611, G611, A611, B611, C#612, D612, E612, F#613, G613, A613, B613, C#614, D614, E614, F#615, G615, A615, B615, C#616, D616, E616, F#617, G617, A617, B617, C#618, D618, E618, F#619, G619, A619, B619, C#620, D620, E620, F#621, G621, A621, B621, C#622, D622, E622, F#623, G623, A623, B623, C#624, D624, E624, F#625, G625, A625, B625, C#626, D626, E626, F#627, G627, A627, B627, C#628, D628, E628, F#629, G629, A629, B629, C#630, D630, E630, F#631, G631, A631, B631, C#632, D632, E632, F#633, G633, A633, B633, C#634, D634, E634, F#635, G635, A635, B635, C#636, D636, E636, F#637, G637, A637, B637, C#638, D638, E638, F#639, G639, A639, B639, C#640, D640, E640, F#641, G641, A641, B641, C#642, D642, E642, F#643, G643, A643, B643, C#644, D644, E644, F#645, G645, A645, B645, C#646, D646, E646, F#647, G647, A647, B647, C#648, D648, E648, F#649, G649, A649, B649, C#650, D650, E650, F#651, G651, A651, B651, C#652, D652, E652, F#653, G653, A653, B653, C#654, D654, E654, F#655, G655, A655, B655, C#656, D656, E656, F#657, G657, A657, B657, C#658, D658, E658, F#659, G659, A659, B659, C#660, D660, E660, F#661, G661, A661, B661, C#662, D662, E662, F#663, G663, A663, B663, C#664, D664, E664, F#665, G665, A665, B665, C#666, D666, E666, F#667, G667, A667, B667, C#668, D668, E668, F#669, G669, A669, B669, C#670, D670, E670, F#671, G671, A671, B671, C#672, D672, E672, F#673, G673, A673, B

Shifting Exercise

- ▶ A series of chromatically ascending (and descending) shifts
- ▶ Can be done on every string with every finger
- ▶ Highlights different shifting mechanisms:
 - ▶ arm motion
 - ▶ wrist and arm with thumb as a pivot
 - ▶ finger action at the top

Shifting Exercise

The musical score is written in 6/8 time and consists of ten staves. It begins with a treble clef, a key signature of one sharp (F#), and a common time signature of 6/8. The first staff contains a series of eighth notes with fingerings (1, 2, 3, 4) and accents. The second staff continues the sequence with slurs and accents. The third staff shows a change in rhythm with quarter notes and slurs. The fourth staff includes a double bar line and a repeat sign, followed by quarter notes and slurs. The fifth staff continues with quarter notes and slurs. The sixth staff features quarter notes with slurs and accents. The seventh staff has quarter notes with slurs and accents. The eighth staff continues with quarter notes and slurs. The ninth staff shows quarter notes with slurs and accents. The tenth staff concludes the exercise with quarter notes and slurs, ending with a double bar line.

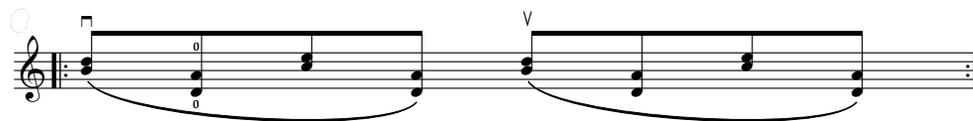
Daily Dozen

- ▶ Double stop (thirds) exercise to promote good hand frame and independence of the fingers
- ▶ Can be transposed to any set of consecutive thirds in any position

Daily Dozen



Play with stepping/lifted fingers.



End with double stop trills.



Optional: repeat all exercises above with this dotted rhythm.....



Reverse the dotted rhythm.....



Reducing a Passage to Teach Rhythm and Bowing

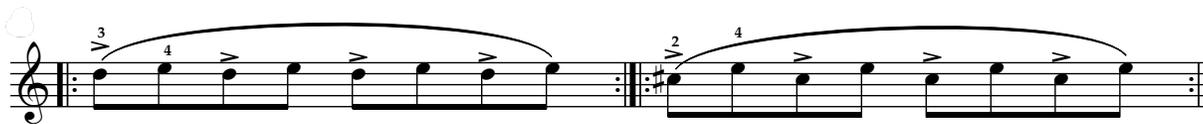
- ▶ “Train the big muscles first”
- ▶ Focus on bow speed, distribution, weight, articulation, etc.
- ▶ Tell the story with your bow

The image displays a musical score with five staves, illustrating a reduction of a passage for teaching rhythm and bowing. The score is written in treble clef, common time (C), and features a key signature of one flat (B-flat). The first staff shows the original passage, marked *ff* (fortissimo), with a dynamic marking of *8va* (octave) above the first measure. The second staff shows the first reduction, labeled "Reduce to 1 or 2 notes:", with a dynamic marking of *ff*. The third staff shows the second reduction, labeled "Or, reduce to open strings:", with a dynamic marking of *ff*. The fourth and fifth staves show further reductions, with a dynamic marking of *ff* and a key signature change to one sharp (F#).

Driving the Left Hand with the Bow

- ▶ The upward motion of the finger is important, especially for trills
- ▶ Activate that motion with bow accents
- ▶ The bow acts as a trigger for the left hand
- ▶ “You trill with your bow.”
- ▶ “Bite” with your bow at the beginning of a trill

Put an accent on the upward motion



“You trill with your bow.”



Double the trill

