

The Touch Challenge

Touch challenge in grand pianos

"Action too heavy/light/fast/slow"

"I want heavier action for practicing"

"Doesn't feel right"

"Why can't my piano play like xyz?"

What do you do?

How do you decide what to change?

Should you modify action parts?

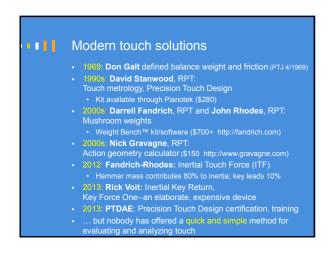
Traditional ways of adjusting touch

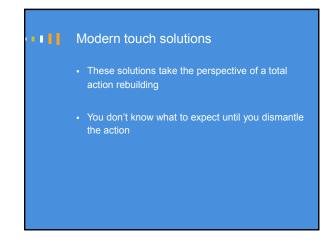
Friction, key leads
Wippen helper springs? TouchRail?
Hammers:
Lighten or add weight? How much?
How heavy should replacement hammers be?
Key ratio? Action ratio?
Do you know how to proceed?
Do you feel in control?
Are you satisfied with results?



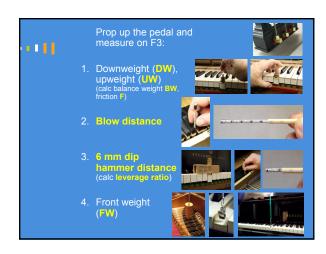
Traditional ways of analyzing touch

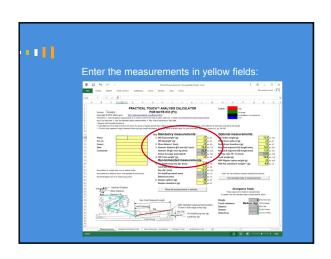
This yields accurate results but:
Is invasive: requires dismantling the action
Requires hours of work, adding time and expense
Not easily portable
Removing the parts can change voicing and regulation
Can't quote the job immediately

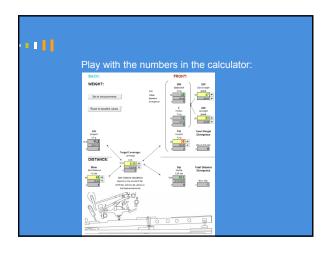




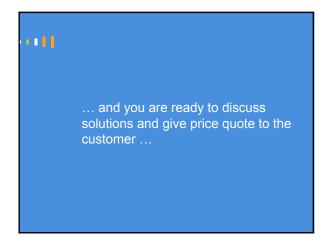


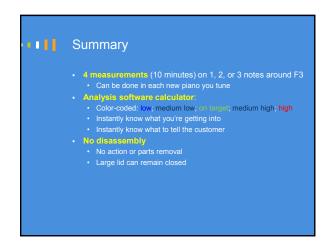




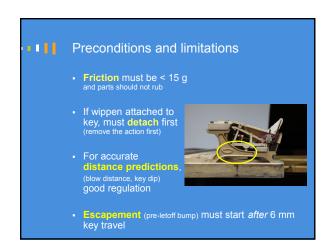


Copyright © 2016 Mario Igrec. All rights reserved.



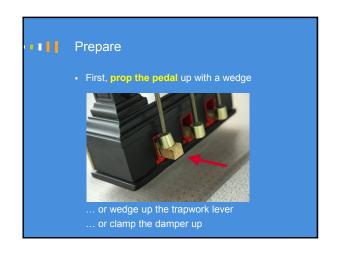




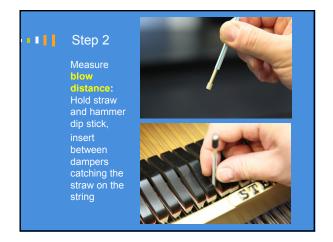


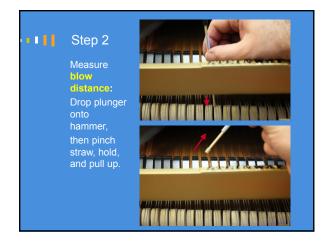
















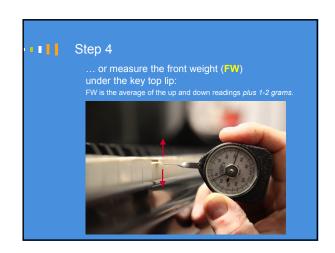
Copyright © 2016 Mario Igrec. All rights reserved.







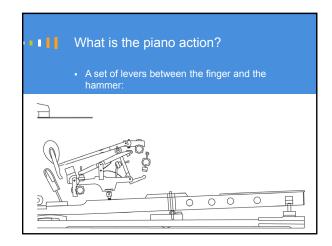


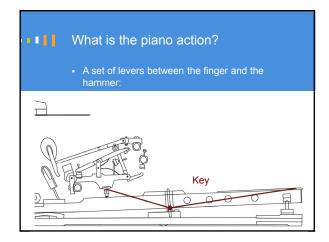


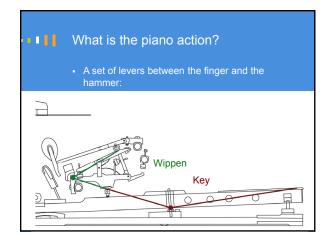


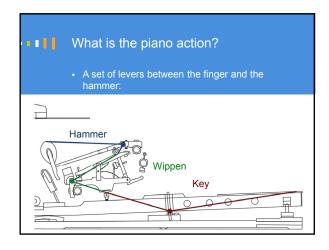
Copyright © 2016 Mario Igrec. All rights reserved.

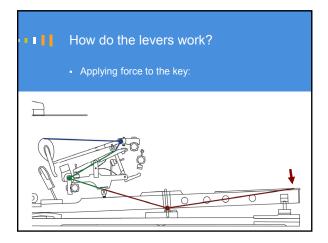




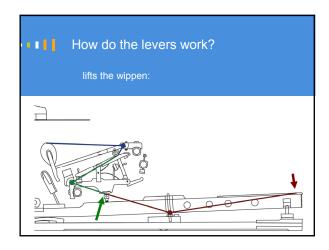


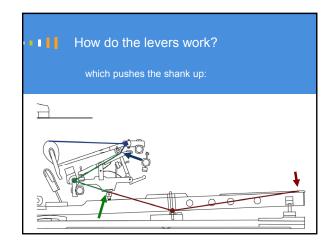


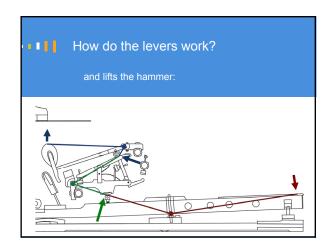


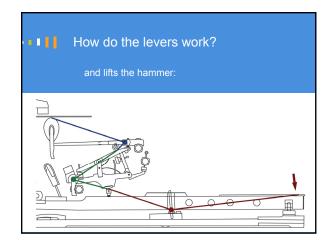


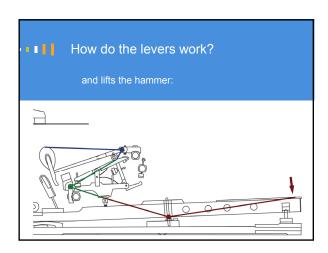
Copyright © 2016 Mario Igrec. All rights reserved.

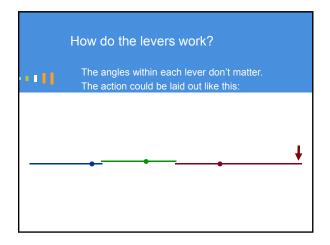




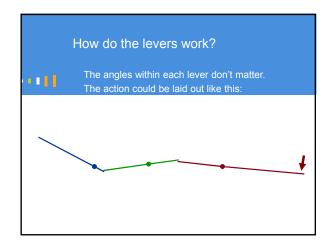


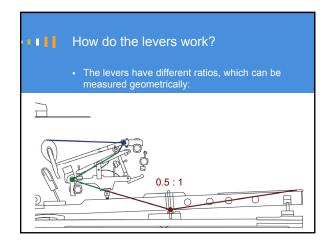


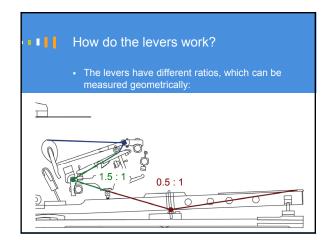


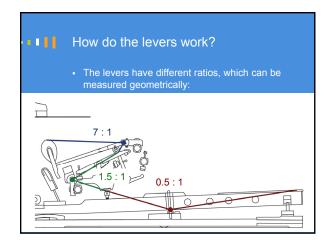


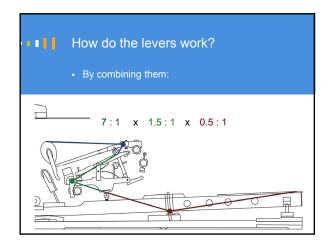
Copyright © 2016 Mario Igrec. All rights reserved.

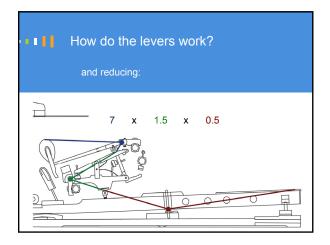




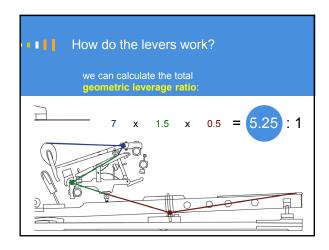


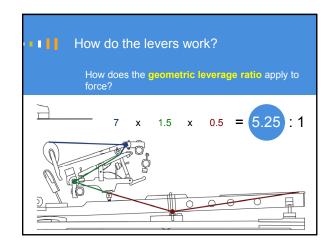


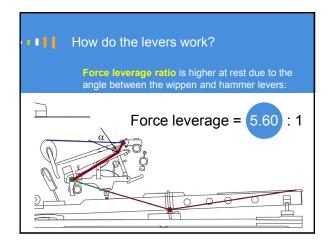


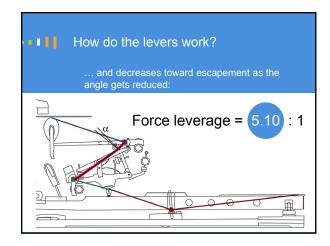


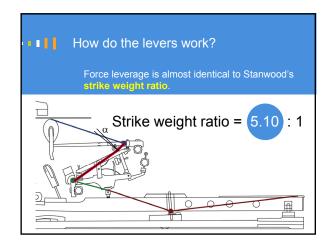
Copyright © 2016 Mario Igrec. All rights reserved.

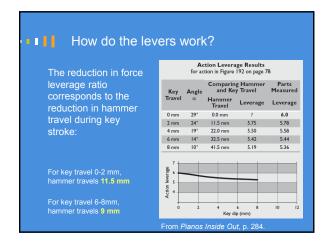




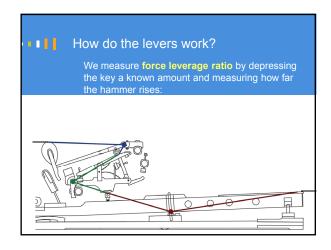


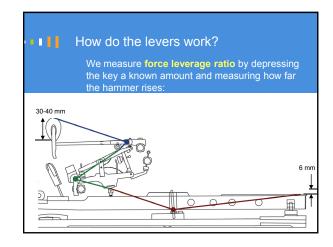


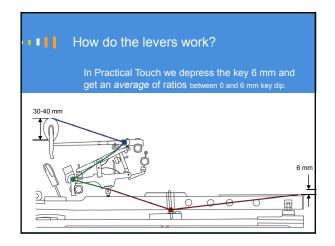


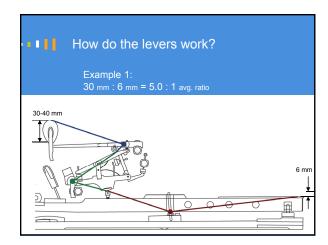


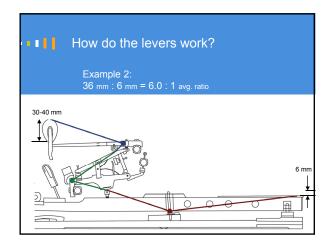
Copyright @ 2016 Mario Igrec. All rights reserved.

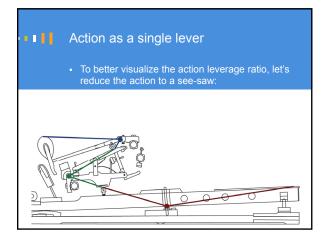




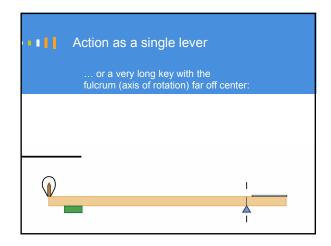


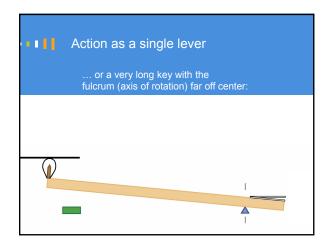


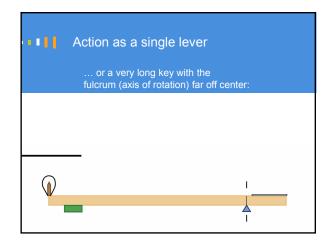


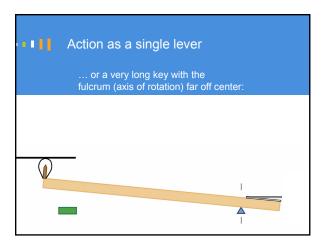


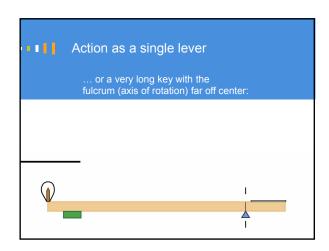
Copyright © 2016 Mario Igrec. All rights reserved.

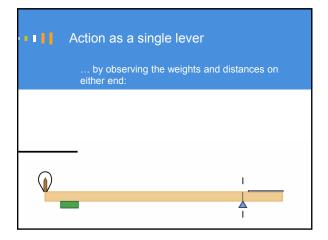




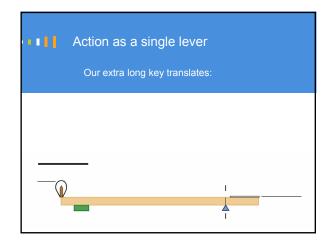


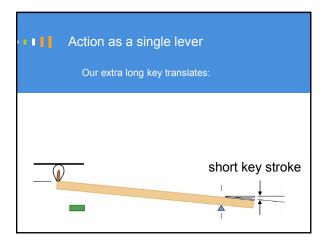


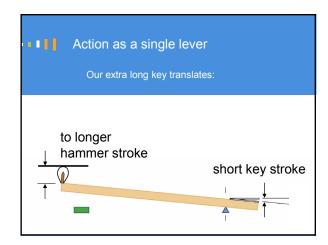


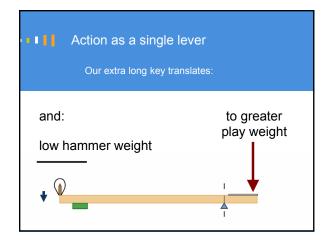


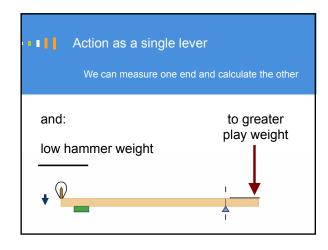
Copyright © 2016 Mario Igrec. All rights reserved.

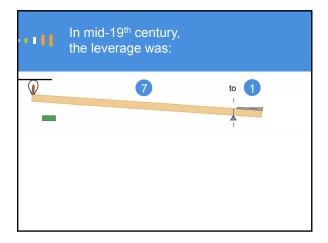




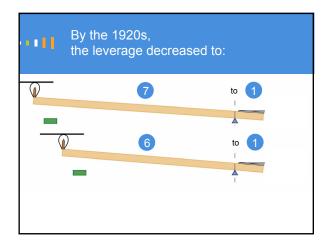


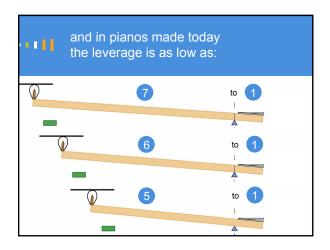


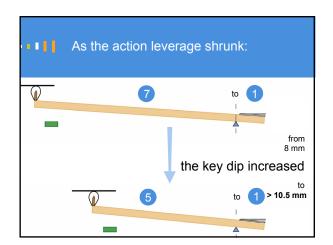


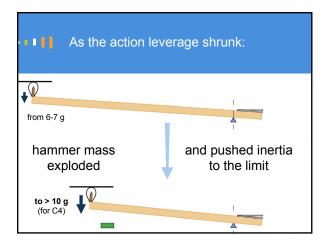


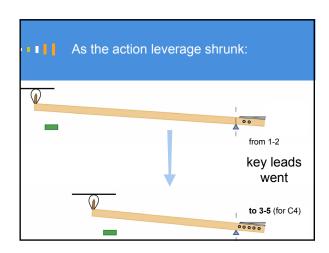
Copyright © 2016 Mario Igrec. All rights reserved.

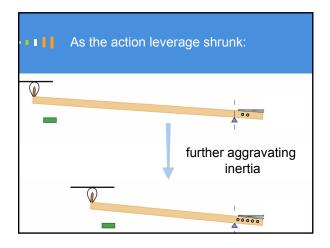








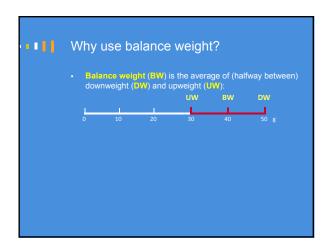


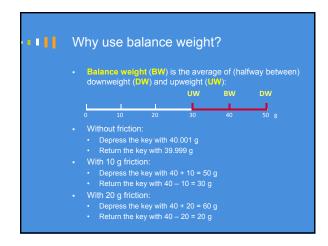


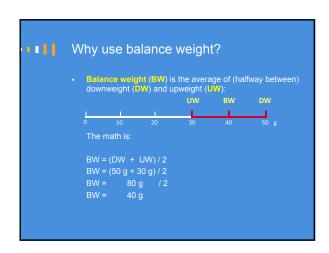
Copyright © 2016 Mario Igrec. All rights reserved.

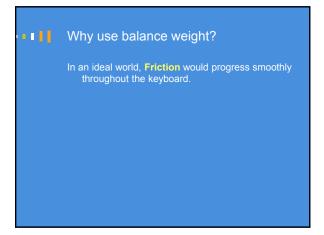




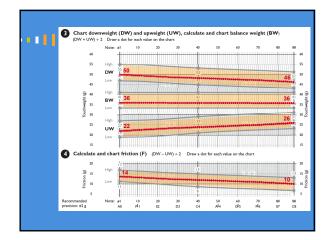


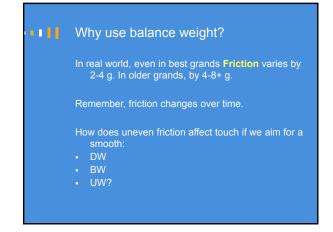


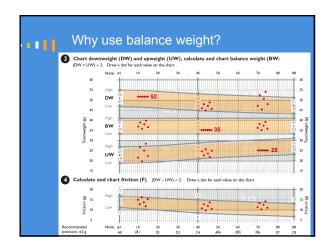


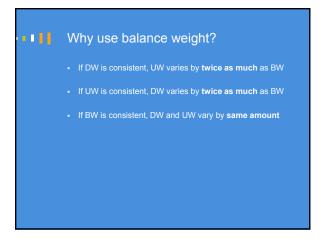


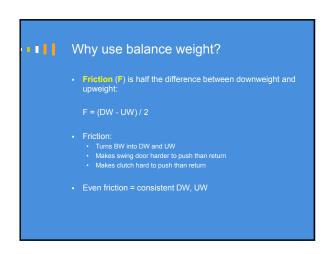
Copyright © 2016 Mario Igrec. All rights reserved.





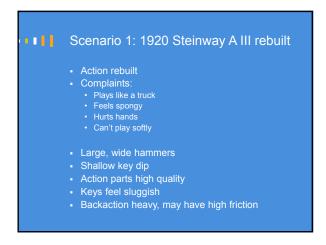


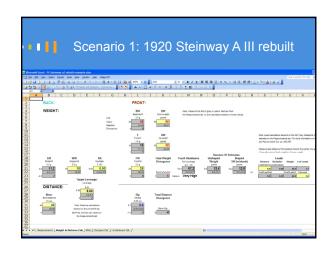


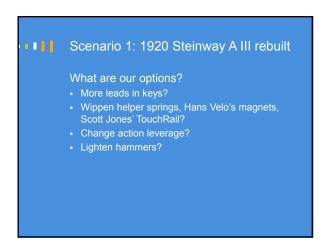


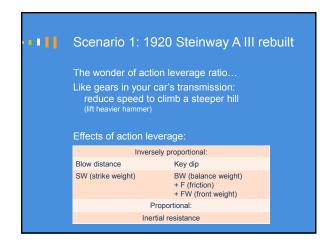


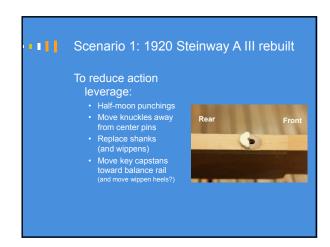
Copyright © 2016 Mario Igrec. All rights reserved.

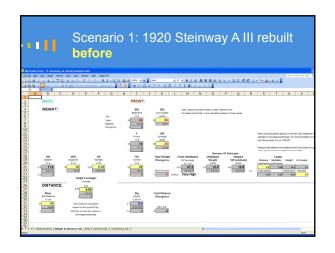




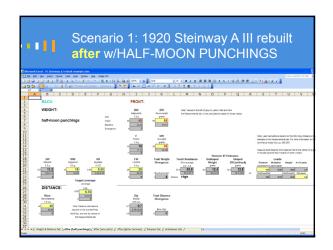


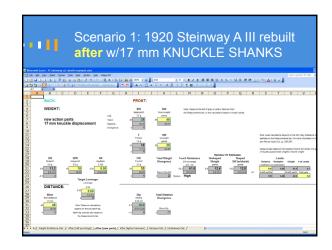


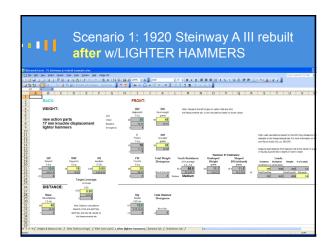




Copyright © 2016 Mario Igrec. All rights reserved.

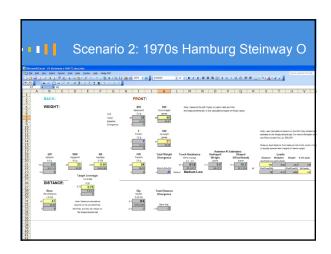


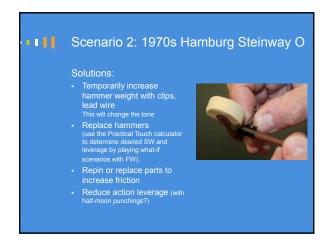




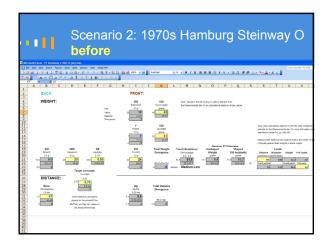
Scenario 2: 1970s Hamburg Steinway O

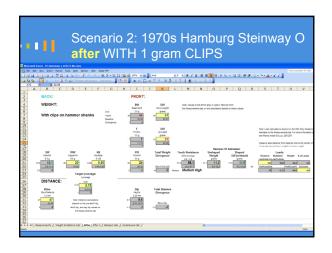
Modern Hamburg Steinway with 17 mm knuckle distance, in good overall condition.
Tone strident and somewhat nasal.
Hammers filed multiple times.
Action feels light.

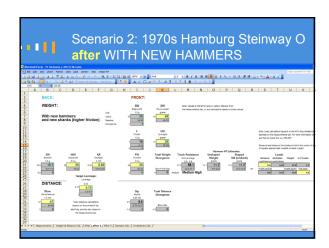


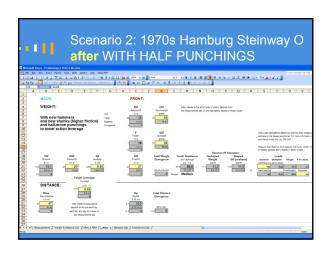


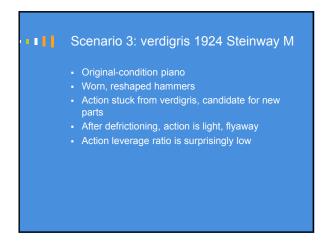
Copyright © 2016 Mario Igrec. All rights reserved.

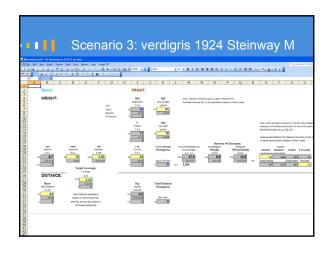






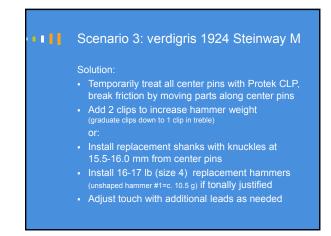


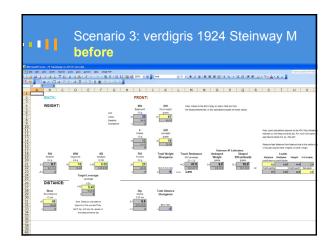


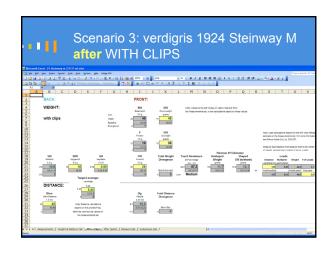


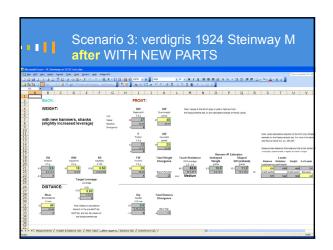
Copyright © 2016 Mario Igrec. All rights reserved.

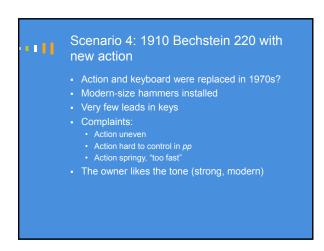




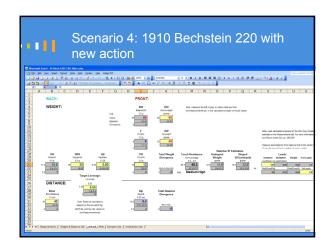


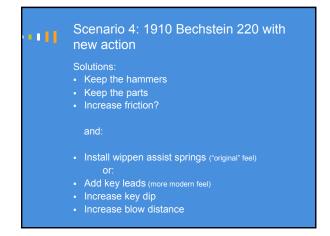


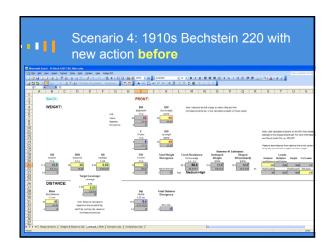


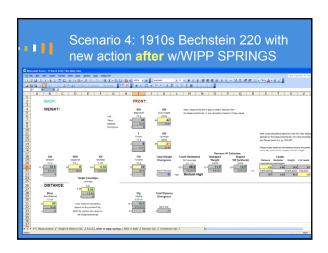


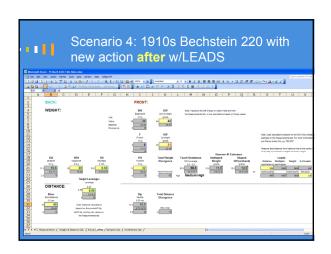
Copyright © 2016 Mario Igrec. All rights reserved.

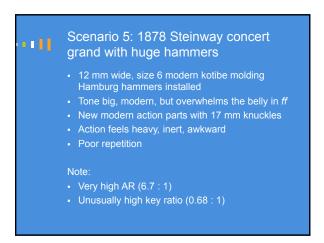




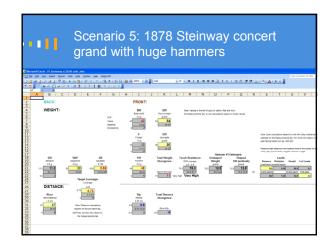






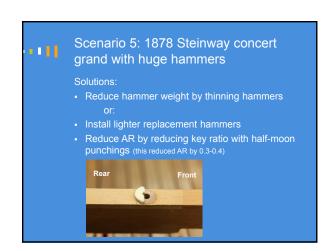


Copyright © 2016 Mario Igrec. All rights reserved.

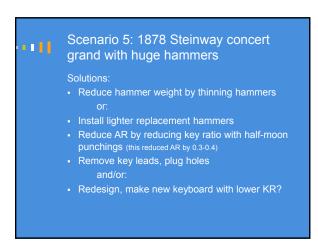




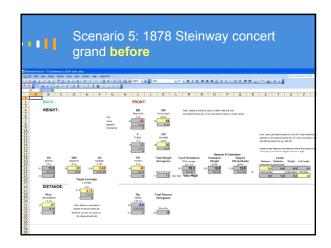


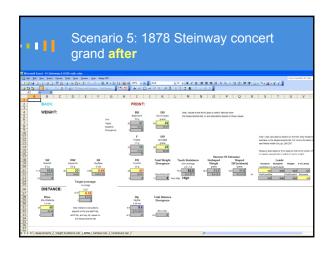




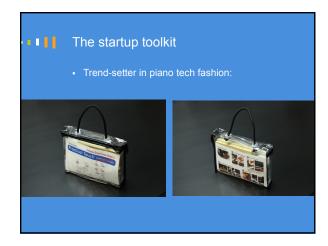


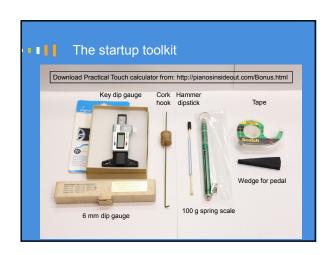
Copyright © 2016 Mario Igrec. All rights reserved.

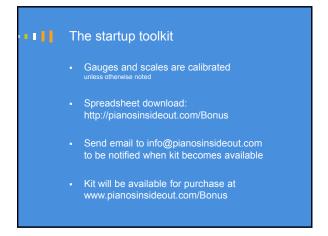






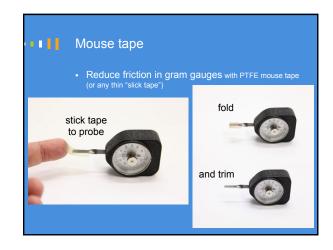




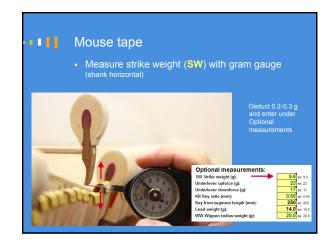


Copyright © 2016 Mario Igrec. All rights reserved.





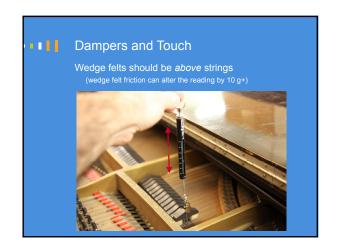


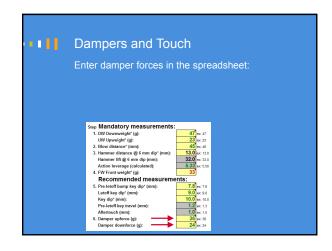


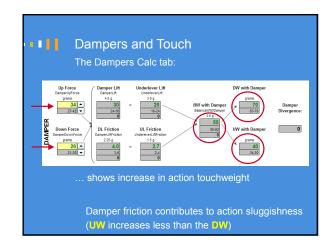


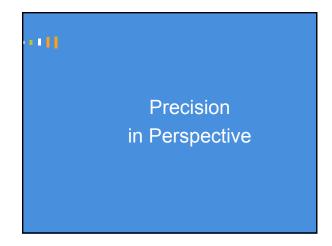


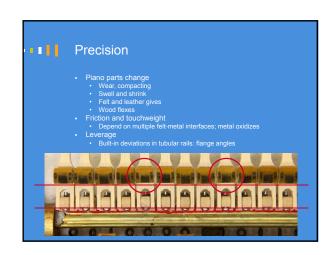
Copyright © 2016 Mario Igrec. All rights reserved.

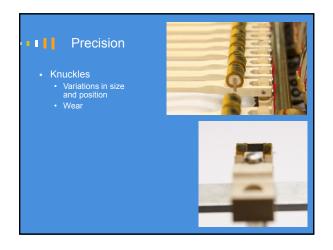




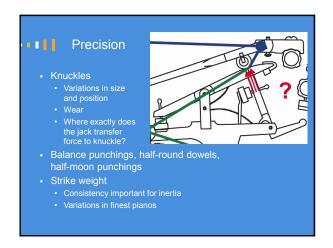


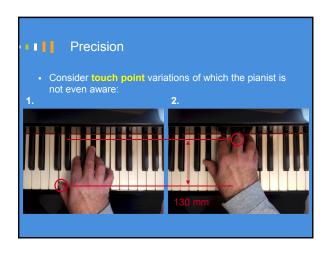


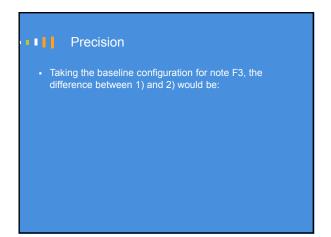


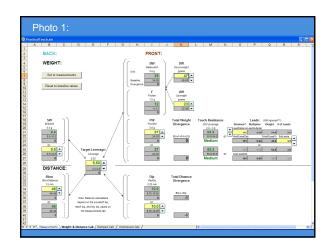


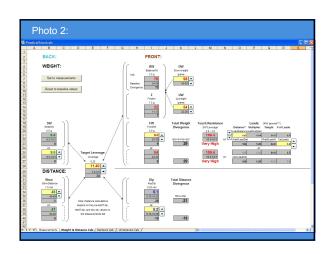
Copyright © 2016 Mario Igrec. All rights reserved.

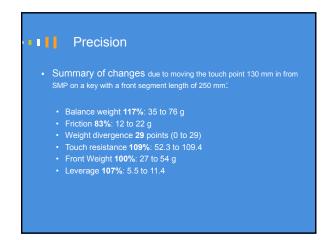




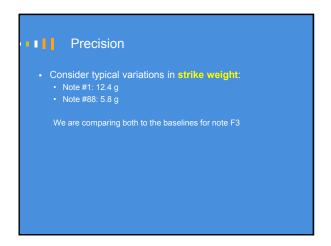


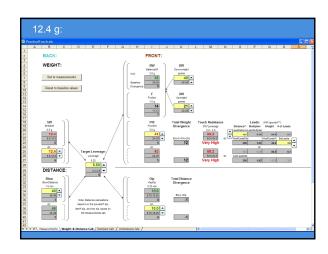


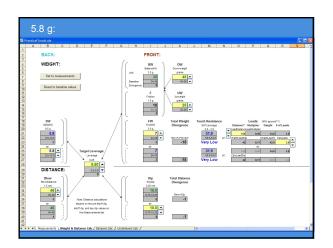


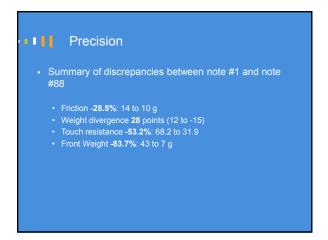


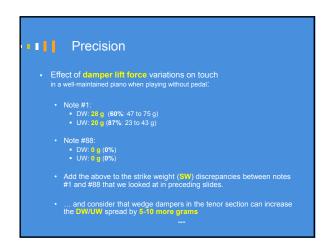
Copyright @ 2016 Mario Igrec. All rights reserved.





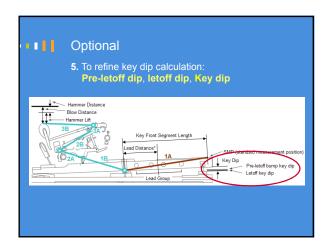


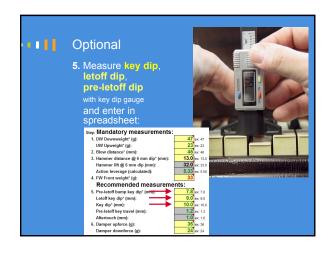


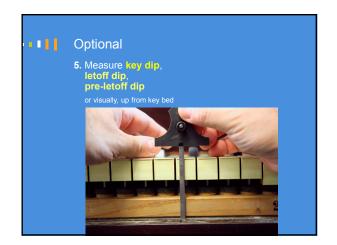


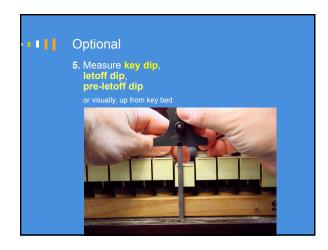


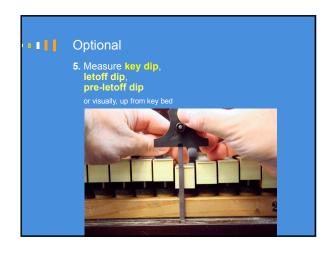
Copyright © 2016 Mario Igrec. All rights reserved.

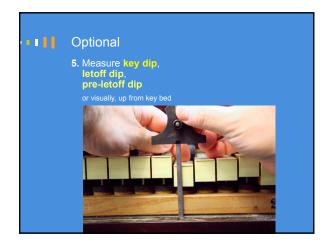




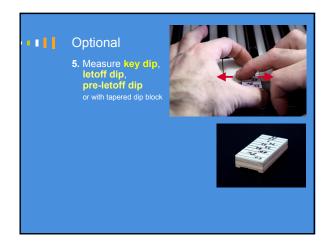




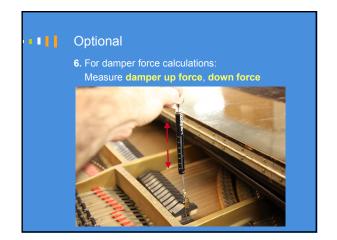


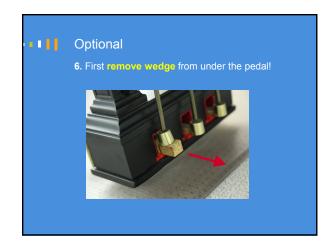


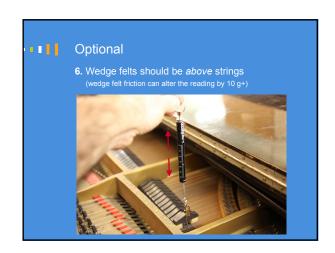
Copyright © 2016 Mario Igrec. All rights reserved.

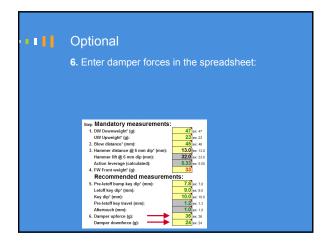




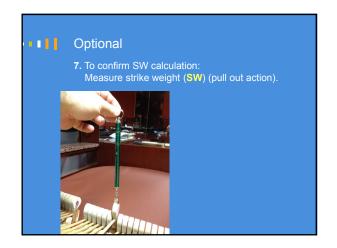


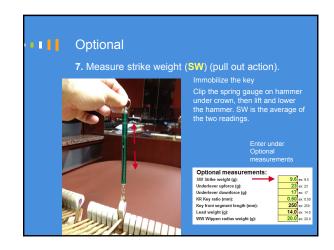


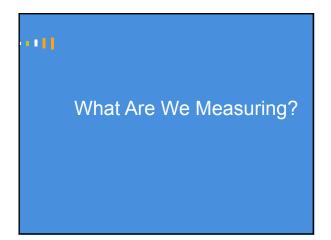


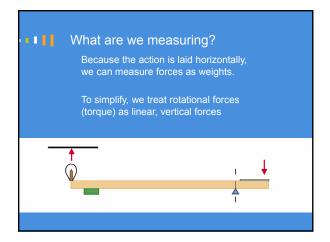


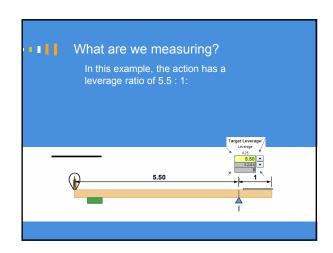
Copyright © 2016 Mario Igrec. All rights reserved.

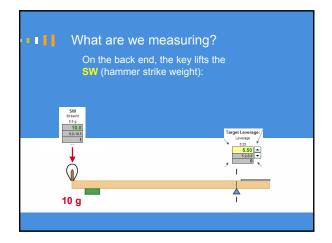




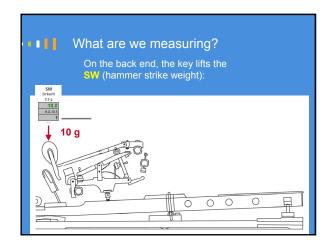


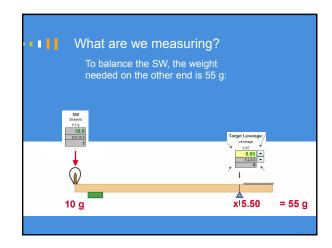


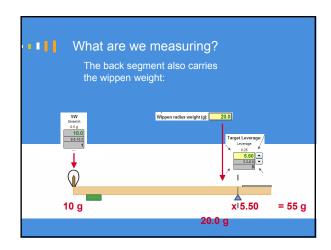


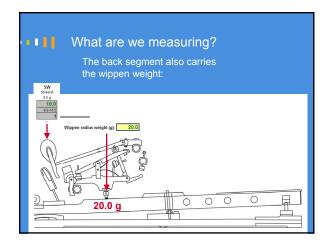


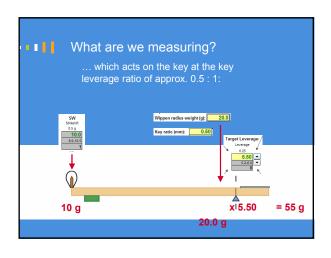
Copyright © 2016 Mario Igrec. All rights reserved.

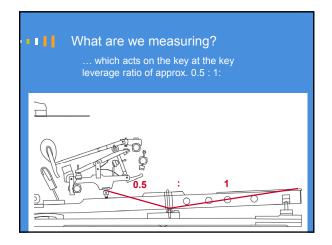




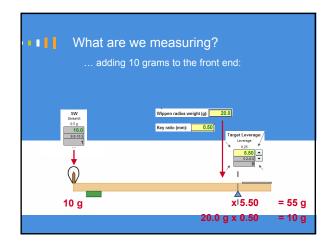


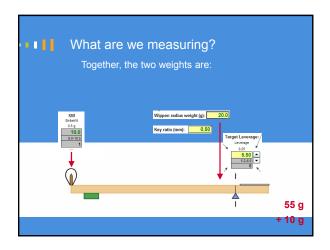


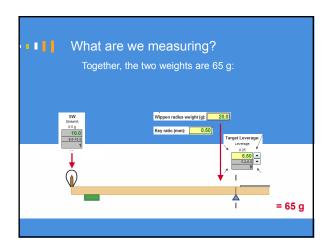


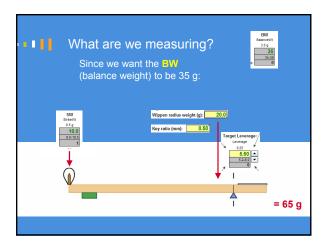


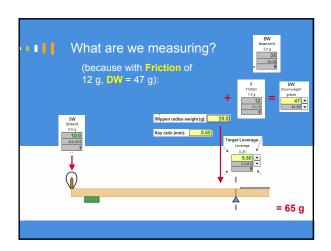
Copyright © 2016 Mario Igrec. All rights reserved.

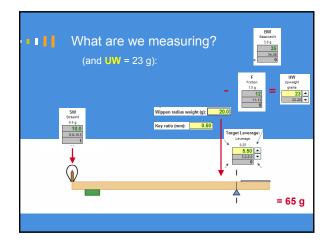




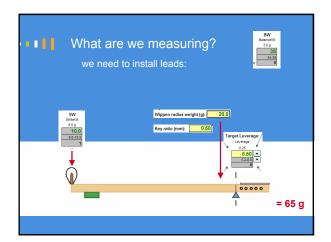


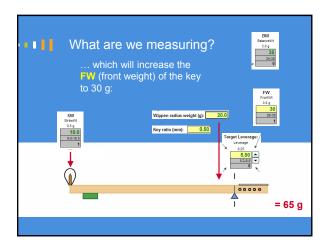


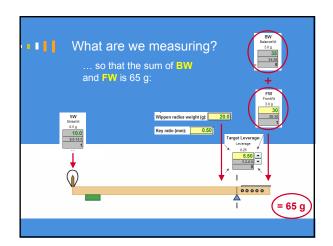


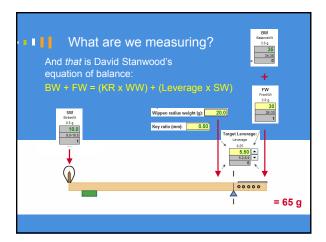


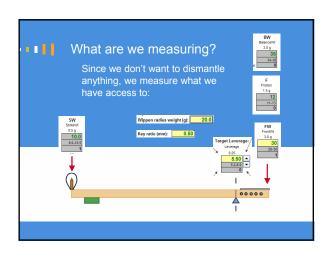
Copyright © 2016 Mario Igrec. All rights reserved.

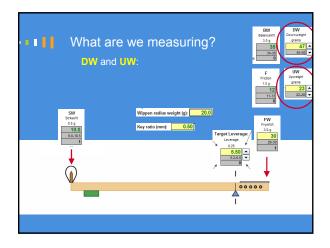




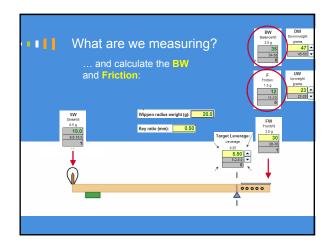


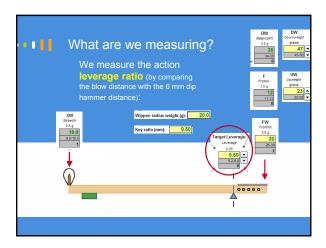


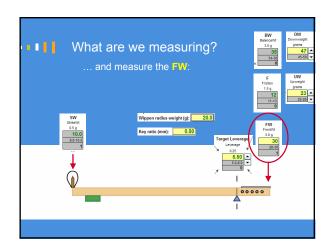


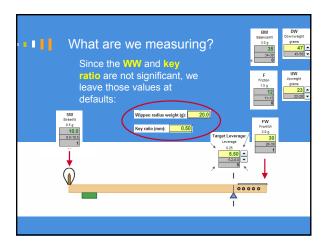


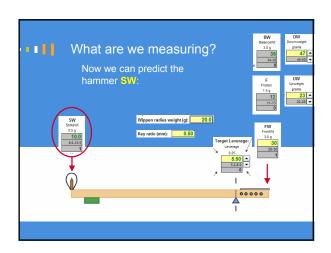
Copyright © 2016 Mario Igrec. All rights reserved.

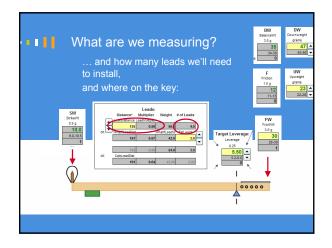




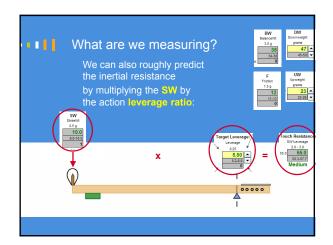


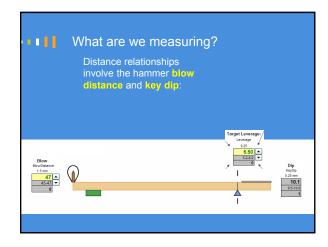


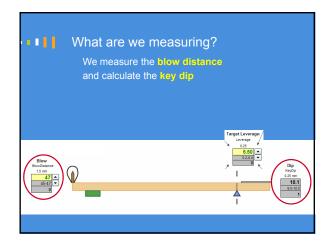


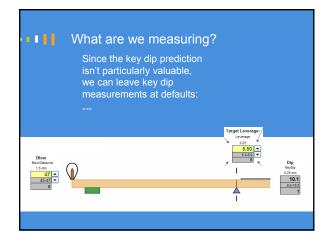


Copyright © 2016 Mario Igrec. All rights reserved.

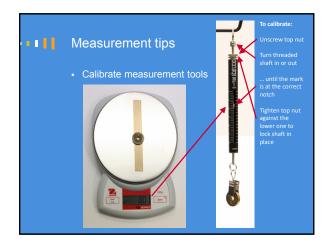




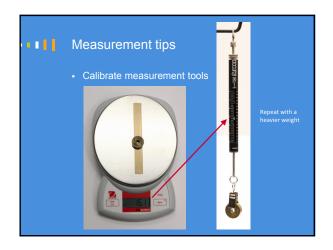




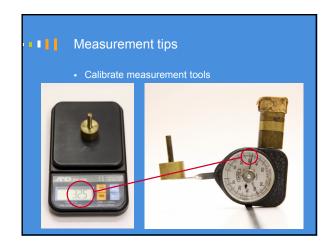




Copyright © 2016 Mario Igrec. All rights reserved.

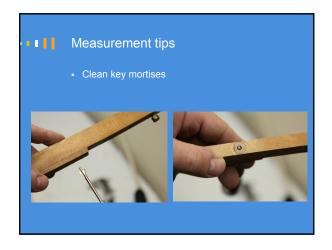












Copyright © 2016 Mario Igrec. All rights reserved.





