

STEM Challenge Support materials

Make a musical instrument

This pack includes...

p2: Challenge/Questions card

p3–5: Posters

p6: Practitioner notes

p7–12: Word cards (&blanks) (for display or as flash cards)

p13–15: 'What did we do?' sheets (for writing, drawing, or adding a photograph)

p16–18: 'My instrument' sheets (for writing, drawing, or adding a photograph)

★ STEM ★ Challenge ★

Can you...

...make a musical instrument?



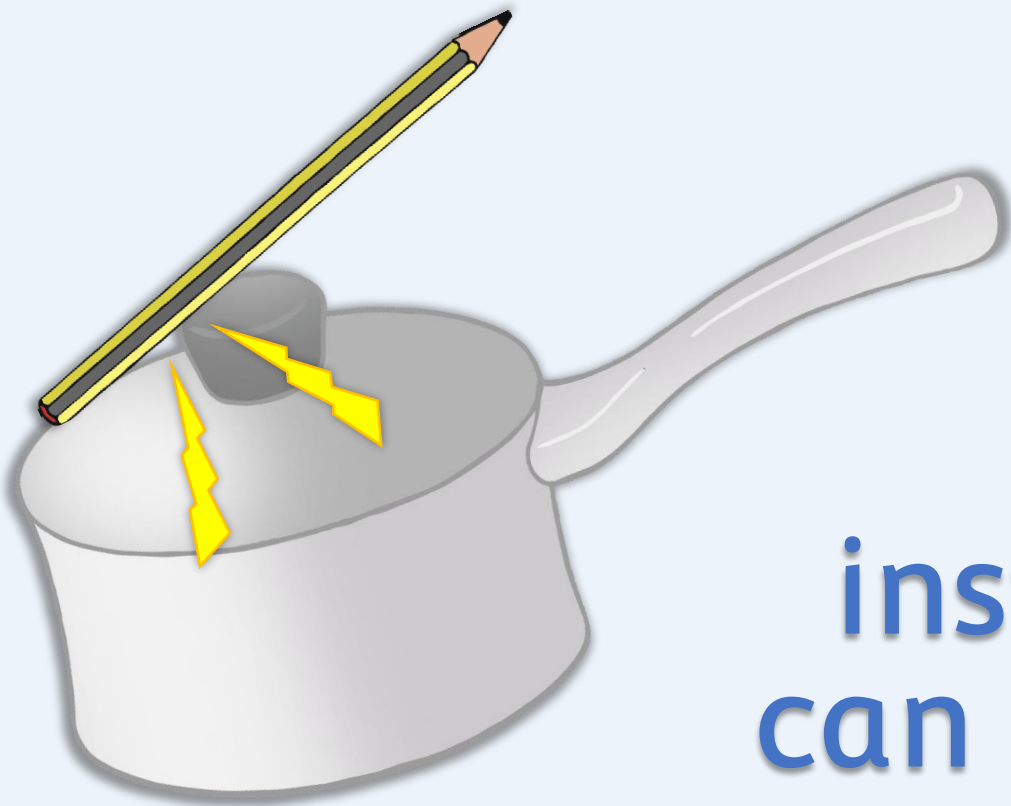
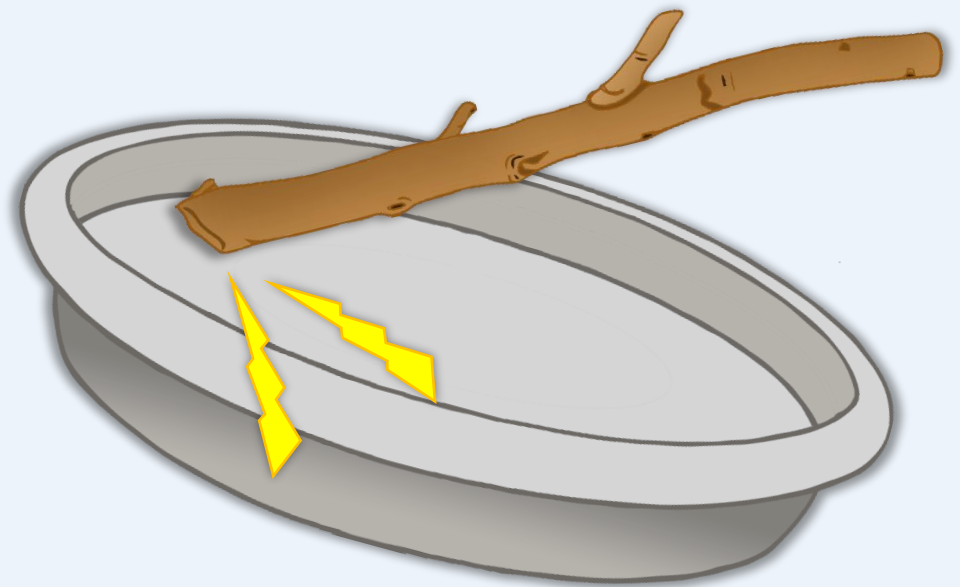
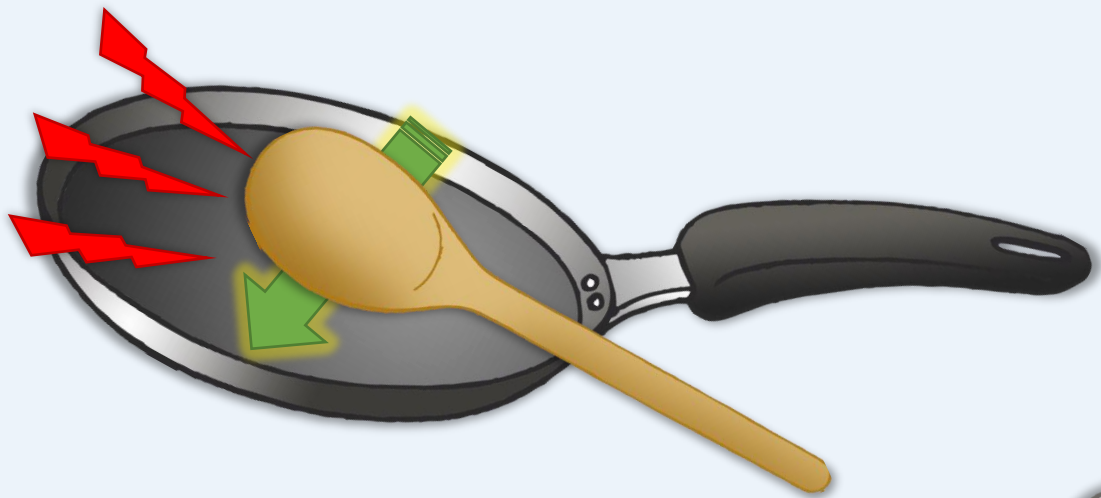
? STEM ? Questions ?

Can you make an instrument that you tap?

Can you make an instrument that you shake?

Can you play your instrument loudly?

Can you play your instrument quietly?

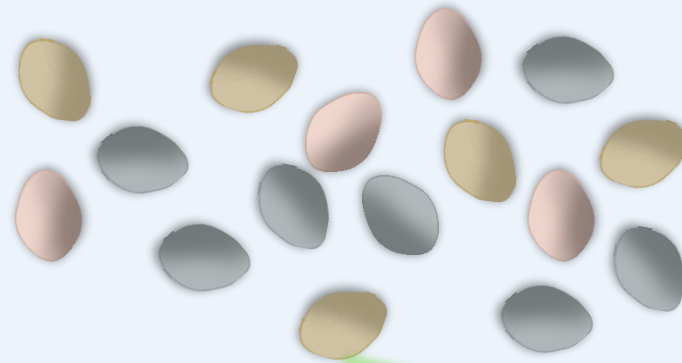


**Make an
instrument you
can tap or scrape!**

Make an
instrument
you can
pluck!



Make an instrument you can shake!



STEM

Make a musical instrument

Practitioner notes

Items that might be useful

- plastic bottles, yoghurt pots, empty plastic containers, etc.
 - small stones, lentils, small pasta, etc
 - a selection of old pots and pans
 - wooden spoons
 - sticks
 - sticky tape/masking tape
 - elastic bands
- a selection of musical instruments

Encourage a short discussion about what types of musical instrument there are, ideally looking at some real ones.

How is the sound made on each one?

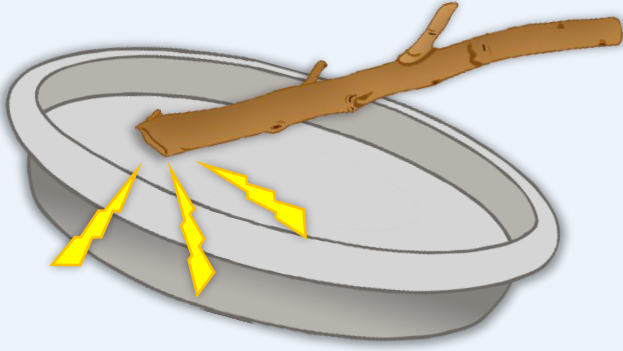
Give the children time to explore their ideas about making an instrument before seeing the gathered materials.

How will you make it? - What do you need?

Allow the children to create their instruments with as much independence as possible. Give them the chance to see and correct mistakes themselves.

How well did your instrument work?

How could you make it better?



tap



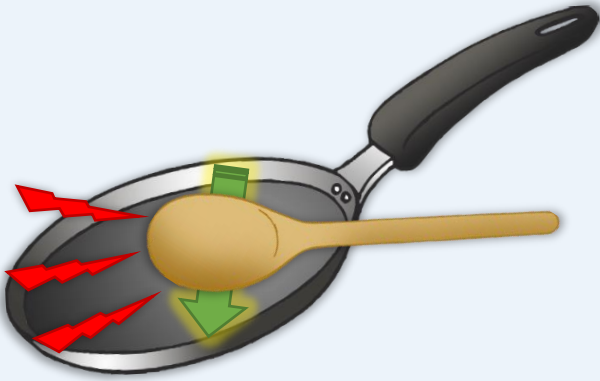
shake



sound



pluck



scrape

blow



music

rhythm

beat

duration

long

duration

short

pitch

high

pitch

low

volume

loud

volume

soft

© 2022 Little Owls Resources

© 2022 Little Owls Resources

© 2022 Little Owls Resources



WHAT DID WE DO?

A large, empty rectangular box with rounded corners, intended for drawing or writing a story.



WHAT DID WE DO?

A large, empty rectangular box with rounded corners, intended for drawing or writing.




WHAT DID WE DO?

A large, empty rectangular box with rounded corners, intended for writing or drawing.

A decorative header featuring yellow musical notes and staff lines. The text "My instrument" is written in a blue, rounded font with a slight shadow effect, centered over the musical background.

My instrument

A large, empty rounded rectangle with a black border, intended for a drawing or illustration of an instrument.

A decorative header featuring yellow musical notes and staff lines. The text "My instrument" is written in a blue, rounded font with a slight shadow effect, centered over the musical background.

My instrument

A large, empty rounded rectangle with a black border, intended for drawing or writing about the instrument.



My instrument