STEM

Challenge support materials

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)

**Make a musical instrument**

**This pack includes…**

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STEM

Can you…

…make a musical instrument?

Challenge

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STEM

Questions

Can you make an instrument that you tap?

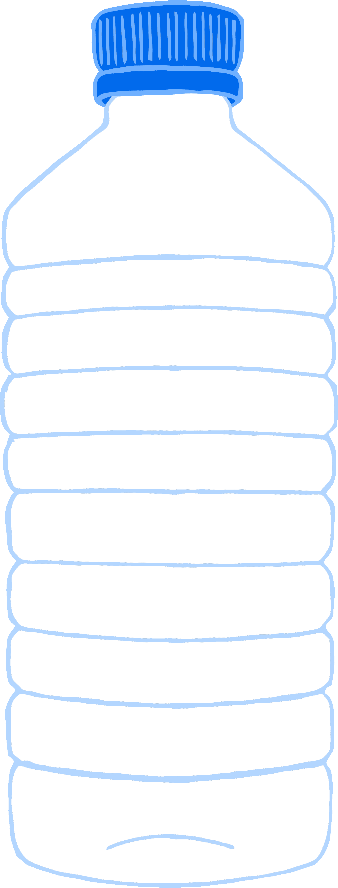
Can you make an instrument that you shake?

Can you play your instrument loudly?

Can you play your instrument quietly?

?

?



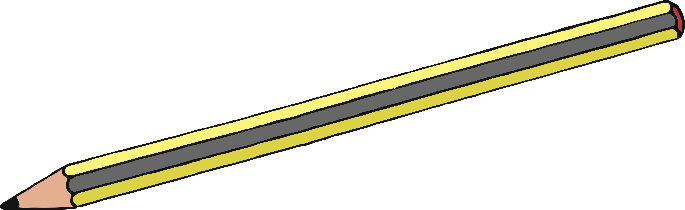
?

A picture containing tableware, dark

Description automatically generatedA close-up of a rocket

Description automatically generated with medium confidenceA close-up of a magnifying glass

Description automatically generated

A picture containing white, tableware, dishware

Description automatically generatedA picture containing indoor, tableware, coffee cup

Description automatically generated

Make an instrument you can tap or scrape!

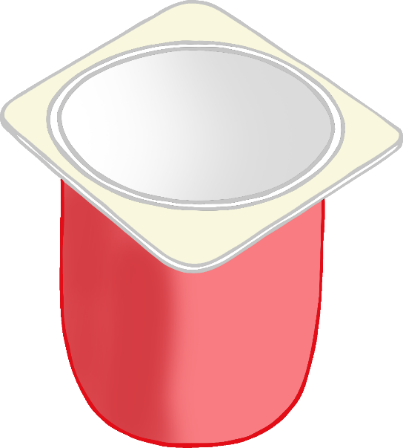
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A picture containing silhouette, dark

Description automatically generatedA picture containing microphone

Description automatically generated

Make an instrument you can pluck!



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Make an instrument you can shake!

Shadows

Shape, circle

Description automatically generatedGraphical user interface, text, application

Description automatically generatedShape, circle

Description automatically generatedA picture containing white, light

Description automatically generatedA picture containing white, light

Description automatically generatedA picture containing white, light

Description automatically generatedA picture containing white, light

Description automatically generatedA picture containing white, light

Description automatically generatedShape, circle

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A picture containing silhouette

Description automatically generated

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?

* plastic bottles, yoghurt ports, 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

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**Items that might be useful**

STEM

**Make a musical instrument**

Practitioner notes

shake

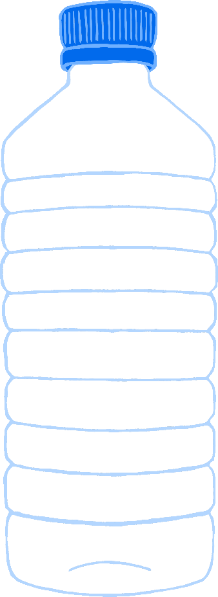
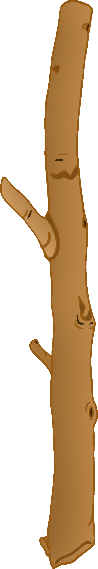
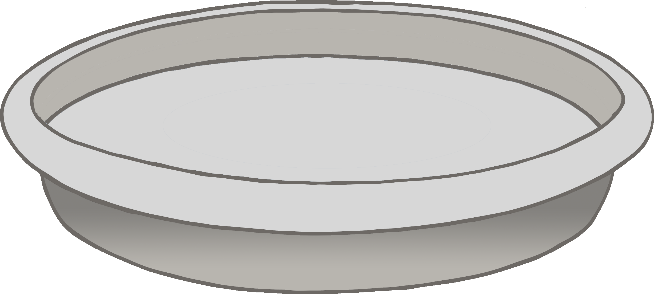
sound

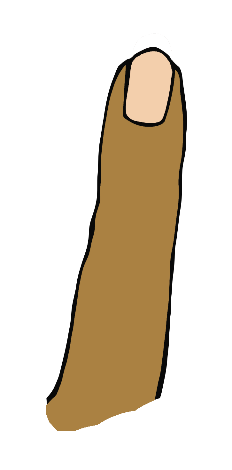
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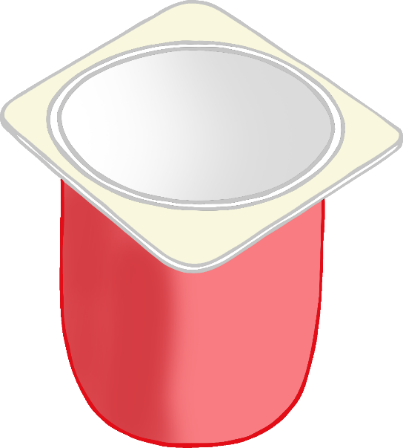
tap



A picture containing tableware, dark

Description automatically generatedA close-up of a magnifying glass

Description automatically generated



scrape

pluck

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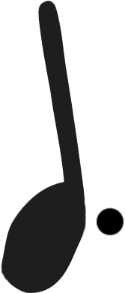
music

beat

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blow

music

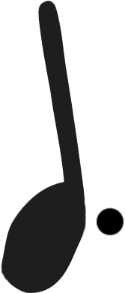
rhythm

beat

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long

short

duration

duration

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high

pitch

low

loud

pitch

volume

volume

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soft

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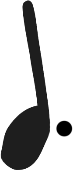
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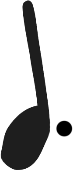
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**What did we do?**



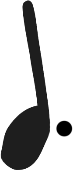
**What did we do?**



\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**What did we do?**



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**My instrument**

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**My instrument**

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**My instrument**

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