

Unit 4 Sounds and instruments - Musical instrument sound

Warmer

1. Everyone makes a different sound, what do we call it?

2. How to make the sound higher or lower?
tone quality

3. The effect of adding speakers is for?
pitch

make the volume bigger

Concept

tone quality (音色)	pitch (音調)	volume (音量/響度)
-------------------	------------	----------------

1. volume : About the loudness or smallness of the sound.

2. tone quality : Similar to various sounds.

3. pitch : About the high or low sound.

Content

Making Easy Microphone

Method: Thread the cotton thread through the drilled paper cups and tie half a toothpick(牙籤) to secure them.

The other side is the same, finished.

a) Does the thickness of the cotton thread have an effect? Is there a better material?

I think that is have some effect. No, just fine.

b) Is there any effect of replacing toothpicks(牙籤) with straws(吸管)? Is there a better material?

I think can switch to straws. No, just fine.

c) Does the size of the paper cup have an effect? Is there a better material?

No, No.

Think

Watch the video about musical instruments.

1. 森の木琴[https://youtu.be/C_CDLBTJD4M]
2. the Landfill Harmonic Orchestra[<https://youtu.be/UJrSUHK9Luw>]
3. Landfill Harmonic[<https://youtu.be/ff7gyRe9PQ>]
4. 破銅爛鐵打擊樂(廚房篇)[https://youtu.be/cg4g7sr_LWQ]

Unit 4 Sounds and instruments - Musical instrument sound

Warmer

1. Everyone makes a different sound, what do we call it?

tone quality

2. How to make the sound higher or lower?

change pitch

3. The effect of adding speakers is for?

Let the volume louder.

Concept

tone quality (音色)	pitch (音調)	volume (音量/響度)
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1. volume : About the loudness or smallness of the sound.

2. tone quality : Similar to various sounds.

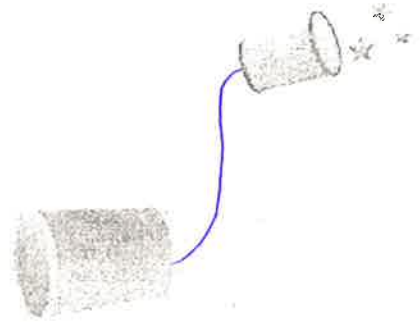
3. pitch : About the high or low sound.

Content

Making Easy Microphone

Method: Thread the cotton thread through the drilled paper cups and tie half a toothpick(牙籤) to secure them.

The other side is the same, finished.



a) Does the thickness of the cotton thread have an effect? Is there a better material?

Yes it will, No, it isn't

b) Is there any effect of replacing toothpicks(牙籤) with straws(吸管)? Is there a better material?

I think can switch to

c) Does the size of the paper cup have an effect? Is there a better material?

@ Yes, it was.

Think

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Warmer

1. Everyone makes a different sound, what do we call it?

Tone quality.

2. How to make the sound higher or lower?

Pitch changes sound higher or lower.

3. The effect of adding speakers is for?

Let the volume louder.

Concept

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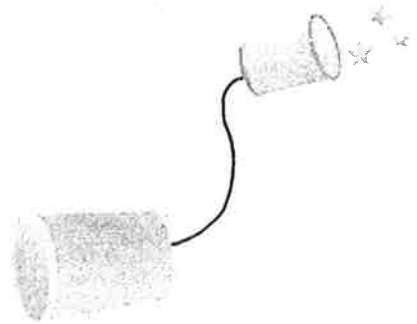
3. pitch: About the high or low sound.

Content

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The other side is the same, finished.



a) Does the thickness of the cotton thread have an effect? Is there a better material?

傳更遠 ← Yes, it will, No it isn't.

b) Is there any effect of replacing toothpicks(牙籤) with straws(吸管)? Is there a better material?

I think can switch to straws.

c) Does the size of the paper cup have an effect? Is there a better material?

Yes, it will.

Think No, it isn't.

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Unit 4 Sounds and instruments - Musical instrument sound

Warmer

1. Everyone makes a different sound, what do we call it?

We call tone quality.

2. How to make the sound higher or lower?

Change the pitch high or lower.

3. The effect of adding speakers is for?

Let the volume louder.

Concept

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The other side is the same, finished.

- a) Does the thickness of the cotton thread have an effect? Is there a better material?

緊一點, rubber.

- b) Is there any effect of replacing toothpicks(牙籤) with straws(吸管)? Is there a better material?

change to wood picks.

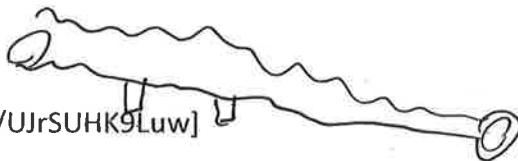
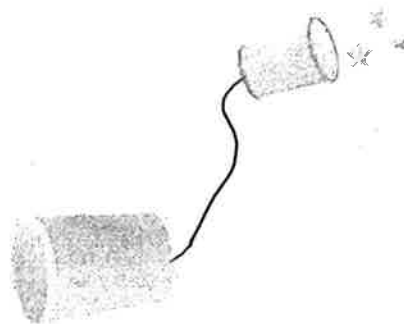
- c) Does the size of the paper cup have an effect? Is there a better material?

maby it smaller, and change to iron cup.

Think

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Let the volume bigger.

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The other side is the same, finished.

a) Does the thickness of the cotton thread have an effect? Is there a better material?

Yes, it is. 比較有彈性

b) Is there any effect of replacing toothpicks(牙籤) with straws(吸管)? Is there a better material?

A: No.

c) Does the size of the paper cup have an effect? Is there a better material?

Bigger size of the paper cup.

Think

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2. How to make the sound higher or lower?

Change the pitch.

3. The effect of adding speakers is for?

Let the volume bigger.

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Method: Thread the cotton thread through the drilled paper cups and tie half a toothpick(牙籤) to secure them.

The other side is the same, finished.

a) Does the thickness of the cotton thread have an effect? Is there a better material?

Yes, it is, 換成釣魚線, 因為較有彈性

b) Is there any effect of replacing toothpicks(牙籤) with straws(吸管)? Is there a better material?

No, it isn't.

c) Does the size of the paper cup have an effect? Is there a better material?

Yes, bigger size of the paper cup.

Think

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音色

2. How to make the sound higher or lower?

音調

3. The effect of adding speakers is for?

響度
音量

Concept

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Making Easy Microphone

Method: Thread the cotton thread through the drilled paper cups and tie half a toothpick(牙籤) to secure them.

The other side is the same, finished.

a) Does the thickness of the cotton thread have an effect? Is there a better material?

會

b) Is there any effect of replacing toothpicks(牙籤) with straws(吸管)? Is there a better material? NO

c) Does the size of the paper cup have an effect? Is there a better material?

小的

Think

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Unit 4 Sounds and instruments - Musical instrument sound**Warmer**

1. Everyone makes a different sound, what do we call it?

It's tone quality.

2. How to make the sound higher or lower?

Change the pitch.

3. The effect of adding speakers is for?

Let the volume louder.

Concept

tone quality (音色)	pitch (音調)	volume (音量/響度)
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Content**Making Easy Microphone**

Method: Thread the cotton thread through the drilled paper cups and tie half a toothpick(牙籤) to secure them.

The other side is the same, finished.

a) Does the thickness of the cotton thread have an effect? Is there a better material?

Yes, it is, I think is fish line

b) Is there any effect of replacing toothpicks(牙籤) with straws(吸管)? Is there a better material?

It's just same, NO, there isn't I guess.

c) Does the size of the paper cup have an effect? Is there a better material?

Bigger size of the paper cup because it can be louder.

Think

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Warmer

1. Everyone makes a different sound, what do we call it?

Tone quality.

2. How to make the sound higher or lower?

We can change pitch.

3. The effect of adding speakers is for?

Let the volume louder.

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The other side is the same, finished.

a) Does the thickness of the cotton thread have an effect? Is there a better material?

Yes, I think I'll use 釣魚線, Because I think it is 比較緊.

b) Is there any effect of replacing toothpicks(牙籤) with straws(吸管)? Is there a better material?

I think I can use ruler.

c) Does the size of the paper cup have an effect? Is there a better material?

I think I want to use 文膠 cup.

Think

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Tone quality

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let the volume louder

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Making Easy Microphone

Method: Thread the cotton thread through the drilled paper cups and tie half a toothpick(牙籤) to secure them.



The other side is the same, finished.

- a) Does the thickness of the cotton thread have an effect? Is there a better material?

Yes

- b) Is there any effect of replacing toothpicks(牙籤) with straws(吸管)? Is there a better material?

I think no.

- c) Does the size of the paper cup have an effect? Is there a better material?

用比較小的杯杯

Think

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Warmer

1. Everyone makes a different sound, what do we call it?

tone quality.

2. How to make the sound higher or lower?

3. The effect of adding speakers is for? *We can change pitch.*

Concept

tone quality (音色)	pitch (音調)	volume (音量/響度)
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1. volume: About the loudness or smallness of the sound.

2. tone quality: Similar to various sounds.

3. pitch: About the high or low sound.

Content

Making Easy Microphone

Method: Thread the cotton thread through the drilled paper cups and tie half a toothpick(牙籤) to secure them.

The other side is the same, finished.

a) Does the thickness of the cotton thread have an effect? Is there a better material?

Yes,

b) Is there any effect of replacing toothpicks(牙籤) with straws(吸管)? Is there a better material?

Yes

c) Does the size of the paper cup have an effect? Is there a better material?

Think

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Warmer

1. Everyone makes a different sound, what do we call it?

音色

2. How to make the sound higher or lower?

pitch

3. The effect of adding speakers is for?

volume bigger

Concept

tone quality (音色)	pitch (音調)	volume (音量/響度)
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Content

Making Easy Microphone

Method: Thread the cotton thread through the drilled paper cups and tie half a toothpick(牙籤) to secure them.



The other side is the same, finished.

a) Does the thickness of the cotton thread have an effect? Is there a better material?

b) Is there any effect of replacing toothpicks(牙籤) with straws(吸管)? Is there a better material?

c) Does the size of the paper cup have an effect? Is there a better material?

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Unit 4 Sounds and instruments - Musical instrument sound

Warmer

1. Everyone makes a different sound, what do we call it?

tone quality

2. How to make the sound higher or lower?

we can change pitch

3. The effect of adding speakers is for?

- Lot of the volume

Concept

tone quality (音色)	pitch (音調)	volume (音量/響度)
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1. volume : About the loudness or smallness of the sound.

2. tone quality: Similar to various sounds.

3. pitch : About the high or low sound.

Content

Making Easy Microphone

Method: Thread the cotton thread through the drilled paper cups and tie half a toothpick(牙籤) to secure them.

The other side is the same, finished.

a) Does the thickness of the cotton thread have an effect? Is there a better material?

Yes, fishing thread

b) Is there any effect of replacing toothpicks(牙籤) with straws(吸管)? Is there a better material?

No, fishing thread

c) Does the size of the paper cup have an effect? Is there a better material?

Yes, 鐵杯, 因為更硬 應該會更大 振動力

Think

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Unit 4 Sounds and instruments - Musical instrument sound

Warmer

1. Everyone makes a different sound, what do we call it?

We call it "tone quality"

2. How to make the sound higher or lower?

change pitch.

3. The effect of adding speakers is for?

Make volume bigger

Concept

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Content

Making Easy Microphone

Method: Thread the cotton thread through the drilled paper cups and tie half a toothpick(牙籤) to secure them.



The other side is the same, finished.

a) Does the thickness of the cotton thread have an effect? Is there a better material?

Yes, 換成釣魚線

b) Is there any effect of replacing toothpicks(牙籤) with straws(吸管)? Is there a better material?

Yes, because it's bigger.

c) Does the size of the paper cup have an effect? Is there a better material?

Yes.

Think

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音色

2. How to make the sound higher or lower?

音調

3. The effect of adding speakers is for?

聲音 volume bigger

Concept

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1. Volume : About the loudness or smallness of the sound.

2. Tone quality : Similar to various sounds.

3. Pitch : About the high or low sound.



Making Easy Microphone

Method: Thread the cotton thread through the drilled paper cups and tie half a toothpick (牙籤) to secure them.



The other side is the same, finished.

a) Does the thickness of the cotton thread have an effect? Is there a better material?

會, 釣魚線

b) Is there any effect of replacing toothpicks (牙籤) with straws (吸管)? Is there a better material?

底部用紙膠膜

c) Does the size of the paper cup have an effect? Is there a better material?

有

Think

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Tone quality

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Pitch

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A volume bigger

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Method: Thread the cotton thread through the drilled paper cups and tie half a toothpick(牙籤) to secure them.



The other side is the same, finished.

a) Does the thickness of the cotton thread have an effect? Is there a better material?

A: Yes, 釣魚線

b) Is there any effect of replacing toothpicks(牙籤) with straws(吸管)? Is there a better material?

A: Yes, 梳膠

c) Does the size of the paper cup have an effect? Is there a better material?

A: J

Think

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A: tone quality

2. How to make the sound higher or lower?

A: pitch

3. The effect of adding speakers is for?

A: volume bigger



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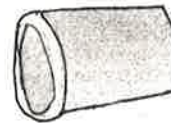
3. pitch : About the high or low sound.



Content

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Method: Thread the cotton thread through the drilled paper cups and tie half a toothpick(牙籤) to secure them.



The other side is the same, finished.

a) Does the thickness of the cotton thread have an effect? Is there a better material?

A: 會

b) Is there any effect of replacing toothpicks(牙籤) with straws(吸管)? Is there a better material?

A: 會, 橡膠細水管, 因為中空

c) Does the size of the paper cup have an effect? Is there a better material?

A: 會

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Class 6A Number Name: Tony

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Warmer

1. Everyone makes a different sound, what do we call it? *tone quality*
2. How to make the sound higher or lower?
3. The effect of adding speakers is for? *volume*

tone quality (音色)	pitch (音調)	volume (音量/響度)
-------------------	------------	----------------

1. About the loudness or smallness of the sound. *volume*
2. Similar to various sounds. *tone quality*
3. About the high or low sound. *pitch*



Making Easy Microphone

Method: Thread the cotton thread through the drilled paper cups and tie a toothpick (牙籤) to secure them.



The other side is the same, finished.

- a) Does the thickness of the cotton thread have an effect? Is there a better material?
- b) Is there any effect of replacing toothpicks (牙籤) with straws (吸管)? Is there a better material?
- c) Does the size of the paper cup have an effect? Is there a better material?

*有, 牙籤, 吸管
吸管, 牙籤, 紙杯
紙杯*

Think

Watch the video about musical instruments.

1. 森の木琴 [https://youtu.be/C_CDLBTJD4M]
2. the Landfill Harmonic Orchestra [https://youtu.be/UJrsUHK9Luw]
3. Landfill Harmonic [https://youtu.be/ffy7gYRe9PQ]
4. 破銅爛鐵打擊樂 (廚房篇) [https://youtu.be/cg4g7sr_LWQ]

Unit 4 Sounds and instruments - Musical instrument sound

Warmer

1. Everyone makes a different sound, what do we call it?

tone quality

2. How to make the sound higher or lower?

change pitch

3. The effect of adding speakers is for?

make volume louder

Concept

tone quality (音色)	pitch (音調)	volume (音量/響度)
-------------------	------------	----------------

1. Volume: About the loudness or smallness of the sound.

2. tone quality: Similar to various sounds.

3. pitch: About the high or low sound.



Making Easy Microphone

Method: Thread the cotton thread through the drilled paper cups and tie half a toothpick (牙籤) to secure them.



The other side is the same, finished.

a) Does the thickness of the cotton thread have an effect? Is there a better material?

有粗線因為線很硬

b) Is there any effect of replacing toothpicks (牙籤) with straws (吸管)? Is there a better material?

可以 變成木快子 因為木快子很硬

c) Does the size of the paper cup have an effect? Is there a better material?

更大更好

Think

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Class 5 Number Name: Andrew

Unit 4 Sounds and instruments - Musical instrument sound

Warmer

1. Everyone makes a different sound, what do we call it?

A: tone quality

2. How to make the sound higher or lower?

A: pitch 從音的長短和粗細

3. The effect of adding speakers is for?

小聲響度比較大
響聲度比較大

tone quality (音色)	pitch (音調)	volume (音量/響度)
-------------------	------------	----------------

Volume: About the loudness or smallness of the sound.

Tone quality: Similar to various sounds.

Pitch: About the high or low sound.

Content

Making Easy Microphone

Method: Thread the cotton thread through the drilled



paper cups and tie half a toothpick (牙籤) to secure them.

The other side is the same, finished.

a) Does the thickness of the cotton thread have an effect? Is there a better material?

△: 愈粗愈好

b) Is there any effect of replacing toothpicks (牙籤) with straws (吸管)? Is there a better material?

△: 牙籤可以 - 更固和固定

c) Does the size of the paper cup have an effect? Is there a better material?

△: 大的會比小的好

Think

Watch the video about musical instruments.

1. 森の木琴 [https://youtu.be/C_CDLBTD4M]

2. the Landfill Harmonic Orchestra [https://youtu.be/UJrsUHK9Lw]

3. Landfill Harmonic [https://youtu.be/ff7gyRe9PQ]

4. 破銅爛鐵打擊樂 (廚房篇) [https://youtu.be/cg4g7sr_LWQ]

Unit 4 Sounds and instruments - Musical instrument sound

Warmer

1. Everyone makes a different sound, what do we call it?

Tone quality.

2. How to make the sound higher or lower?
弦的音調，調高或低。

3. The effect of adding speakers is for?
讓聲音變大。

Concept

tone quality (音色)	pitch (音調)	volume (音量/響度)
-------------------	------------	----------------

1. About the loudness or smallness of the sound. **volume**

2. Similar to various sounds. **tone quality**

3. About the high or low sound. **pitch**



Content

Making Easy Microphone

Method: Thread the cotton thread through the drilled

paper cups and tie half a toothpick (牙籤) to secure them.



The other side is the same, finished.

- a) Does the thickness of the cotton thread have an effect? Is there a better material?

有，換成硬一點的線比較好。因為綿線太軟了，很難用到杯子裡。

- b) Is there any effect of replacing toothpicks (牙籤) with straws (吸管)? Is there a better material?

換成吸管，因為吸管比較大比綁好綁。

- c) Does the size of the paper cup have an effect? Is there a better material?

更小的紙杯應該更好！不然要拉線的時候都碰不到線。

Think

Watch the video about musical instruments.

1. 森の木琴 [https://youtu.be/C_CDLBTJUD4M]
2. the Landfill Harmonic Orchestra [https://youtu.be/UJrsUHk9Luw]
3. Landfill Harmonic [https://youtu.be/ffY7gYRe9PQ]
4. 破銅爛鐵打擊樂(廚房篇) [https://youtu.be/cg4g7sr_LWQ]

Unit 4 Sounds and instruments - Musical instrument sound

Warmer

1. Everyone makes a different sound, what do we call it? **音色 (tone quality)**
2. How to make the sound higher or lower? **pitch 音調**
3. The effect of adding speakers is for? **let the volume 聲大**

Concept

tone quality (音色)	pitch (音調)	volume (音量/響度)
-------------------	------------	----------------

1. volume : About the loudness or smallness of the sound.

2. tone quality: Similar to various sounds.

3. pitch : About the high or low sound.



Making Easy Microphone

Method: Thread the cotton thread through the drilled paper cups and tie half a toothpick (牙籤) to secure them.



The other side is the same, finished.

- a) Does the thickness of the cotton thread have an effect? Is there a better material? **yes 聲大, 因為有彈性**
- b) Is there any effect of replacing toothpicks (牙籤) with straws (吸管)? Is there a better material? **yes 吸聲粗粗的**
- c) Does the size of the paper cup have an effect? Is there a better material? **yes 對, 聲大**

Think

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Unit 4 Sounds and instruments - Musical instrument sound

Warmer

1. Everyone makes a different sound, what do we call it?

音色 tone quality

2. How to make the sound higher or lower?

改變音調 pitch

3. The effect of adding speakers is for?

音響 volume bigger

Concept

tone quality (音色)	pitch (音調)	volume (音量/響度)
-------------------	------------	----------------

1. volume : About the loudness or smallness of the sound.

2. tone quality : Similar to various sounds.

3. pitch : About the high or low sound.

Content

Making Easy Microphone

Method: Thread the cotton thread through the drilled paper cups and tie half a toothpick(牙籤) to secure them.

The other side is the same, finished.

a) Does the thickness of the cotton thread have an effect? Is there a better material?

有釣魚線比棉線好又重會比較明顯

b) Is there any effect of replacing toothpicks(牙籤) with straws(吸管)? Is there a better material?

把杯子的底割掉貼一些保鮮紙

c) Does the size of the paper cup have an effect? Is there a better material?

沒有

Think

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