

## Transcription of Science Time video – Senses

The video for this transcript can be found on the Questacon website at:

<http://canberra.questacon.edu.au/sciencetime/>

### Transcription from video:

BJ Hi, welcome to Science Time at Questacon. My name's BJ.

Dion And I'm Dion.

BJ And today at Science Time we are talking about our senses. Come and join us.

[Science Time logo]

[Music playing]

[Singing]

*Wake up sun and moon, it's Science Time, it's Science Time.*

*Wake up skeleton, it's Science Time, it's Science Time.*

*At home in the bathroom, when we're swimming there is science,*

*Outside at the playground, in the sunshine, there is science.*

*Wake up.*

[Science Time logo – Title, "Senses"]

[BJ, DION and all the children are sitting around the mat.]

BJ Welcome, welcome to Science Time everyone. We're talking about our senses today. Now our senses are what we use to find out about the world around us. For example, we see things. What do we use to see things with?

Child Binoculars

**Making science fun and relevant for everyone**

BJ Binoculars, you can use binoculars can't you. What part of our body do we see things with? Do we look with?

Child Eyes.

BJ Our eyes. Can you show me where our eyes are. Yeah, where are your eyes. And, we also hear things. What part of our body do we hear things with.

Child Ears.

BJ With your ears. Can you show me where your ears are. Yep, there are your ears. Can you show me where your ears are. And we also smell. What part of our body do we use to smell things with?

Child Nose.

BJ Our nose. Yeah, where's your nose? Now, we also taste with something. What do we use to taste things with?

Child Tounge.

Child Breakfast.

BJ We taste our breakfast, don't we? Our tounge. Can you show me where is your tounge? Where is your tounge? We taste with our tounge. Well done. Now, we also touch with something. What part of our body do we use to touch with? Where are your fingers and your hands. We can also tickle with those too. We can touch with our hands.

Child I get tickled every single night if I do a good job with my reading.

BJ Oh, do you. Talking about touching can you touch your head? Where's your head? Show me your head. Can you touch your shoulders? Can you touch your knees? Where are your knees? Can you touch your toes?

Child How about you say this, knees and toes.

BJ There's a song . We're going to go toes nexr, aren't we? Here are our toes. Can you touch your toes? Do you know a song about heads and shoulders, knees and toes? In the middle we also say eyes. Where are our eyes, where are your eyes. And ears and mouth and nose. Are we ready to sing? We ready to sing. Now, start with our head. Grow-ups, I want everyone singing.

Big voices kids. And – Heads and shoulders, knees and toes, knees and toes, knees and toes. Heads and shoulders, knees and toes, knees and toes, knees and toes. And eyes and ears and mouth and nose. Heads and shoulders, knees and toes, knees and toes, knees and toes. Oh, well done. Well done. Now, today I want to introduce you to a special friend of ours called Jane. Can we all say “Hi Jane”? Hi. But, unfortunately Jane can’t here you very well. What does she need to hear you with?

Children Ears. Your ears.

BJ Your ears. Here we go, lets get some ears for Jane. So, there we go we’ll put on her ears.

Child No, that isn’t it!

BJ No? Where do your ears go? You show me. Ah! Do they go there do they? Can you show me where are your ears? Where are your ears. Ah, on the side of our head. So we’ll put one ear there and one ear there. There we go. Now Jane can hear. But she can’t see very well. What does she use to see?

Children Eyes!

BJ Eyes. So here we go, let’s put her eyes on. One, two. Two eyes.

Children No! They go here.

BJ Oh, do they? O.K, so here we go. One there and one there. Is that better? Is that where they go?

Children Yes, no.

BJ Is that were they go?

Child No, they go here.

BJ Oh, a little bit there maybe. Not bad. So she has ears to hear, eyes to see. But she can’t smell. What do we use to smell with?

Children Nose!

BJ Your nose. And your nose goes between your eyes, doesn't it? So, there we go. Perfect.

Children No! It goes there.

BJ Does it? O.K. is that better? So she has ears to hear, eyes to see and a nose to with. But she can't taste anything. What do we use to taste with.

Children Mouth.

BJ Mouth. And what part of our mouth do you use?

Children A tounge.

Dion Good work.

BJ Your tounge. And Jane has a big tounge. So there we go. Is it there?

Children No, there.

BJ There we go. So there is Jane and her big tasting tounge. So she can ear with her ears, see with her eyes, smell with her nose and taste with her tounge. But she can't feel anything.

Chid Hands!

BJ What do we use?

Children Hands.

BJ Our hands are on the end of our arms, aren't they. Where are your hands? Can you wiggle those fingers? Yeah. Now, Jane she doesn't have any hands so we're going to put here hands right here. And they can be here Jazz Hands. Can you show me your Jass Hands? Ah, lovely!

Child No, they're here. They're here.

BJ They are really on the ends of your arms aren't they? Yeah. So, she has ears to ear with. Where are your ears? She has eyes to see wit. Where are your eyes? She has a nose to smell with. Where is your nose And she has a tounge to taste with. Where is your tounge? And she has hands to feel with.

Where are your hands. So she is ready to have lots of fun at Science Time. Now, before we go and play I've got a game I want to show you. This is a listening game. In this box I've got lots of musical instruments. I'll lift them up and show them to you. Well done, sitting on your bottom. What instrument is this one

Children Shaker. A maracer.

BJ It's a maraca or shaker. Listen to the sound it makes. (shake, shake)  
That's a good noise, isn't

Child Hooter

BJ A hooter. Well done. Come and sit on your bottom, sweetheart. A hooter, or you can call this a horn. Listen to the sound it makes. (honk, honk) That's a noisy sound.

Child You can put that on your bike.

BJ You can put them on your bike. (honk, honk) Here I come. This instrument here, what's this one called? What's this one called.

Child A tamborine.

BJ A tamborine. Listen to the sound it makes. (shake, shake) Do you hear that sound. It's a good sound. And last instrument today. What's this one called?

Children A bell.

BJ A bell. Listen. (ding-a-ling) Oh, that's nice. Now, I'm going to play all these instruments but I'm going to hide them in here so we can't see them. We have to use our hearing to figure out what they are. Are you ready? Ready to be a good listener? O.K, so listening. Let's just listen before we call out. (shake, shake).

Child Tamborine.

BJ Now, what do you think it is?

Children Tamborine.

BJ Oh, what do you think? It's a tamborine. Well done. Did you think that too at home? Yep. So we'll put that one there. Now, here's another one. Listening. Listen. (shake, shake)

Children Maraca

BJ Oh, it's the maraca. Did you know that one? Yes. Now, don't peek. What's this one? Listening. (honk, honk).

Children Hooter.

BJ It's the hooter. The horn. Yes it is. That's a very loud sound, isn't it?

Child I can tell.

BJ There's one more. Listen before you call out. Listen. (ding-a-ling)

Children Bell. A bell.

BJ A bell. Good listening. Oh, you're very good at the hearing game.

Child I put hearing aids in my ear.

BJ Oh, and that helps you hear. What about you? Did you know what those sounds were? Now, we have lots of exciting things to play with here at Science Time today. Are you ready? Go find your grown-ups and ready, set go - go have a play.

Dion So while everyone is playing. Come with me. I've got something to exciting to show you in Questacon. So, today we're here at Questacon's Perception Deception gallery here at our Aimes room Today we're going to talk a little bit about illusions. Now, illusions make things look different to what they really are. You can have illusions that make things appear when their not there. Or you can even have illusions that make things look completely different to what they look like in real life. So, for this experiment we might need BJ's help today. So, BJ do you want to come and give us a hand?

BJ Hi Dion. Hi boys and girls.

Dion If you look at BJ and me, who looks taller? I think it might be me acutally.

BJ I think so.

Dion So, what we're going to do is we're going to try to change that using an illusion.

BJ Fantastic!

Dion Are you ready BJ?

BJ I'm ready.

Dion Well, let's go. So, who looks taller now? I think I still look pretty tall. And BJ you look really, really small!

BJ I'm not really this small Dion.

Dion How about we try switching and we'll see what happens.

BJ Good idea.

Dion Oh, now who looks taller?

BJ Me!

Dion BJ does. And I look really, really short. I don't know if I like being this short BJ.

BJ I kind of like being this tall though.

Dion I'm about ready for this illusion to be over. Let's go.

BJ Let's go.

Dion Well, that was a lot of fun. But I'm glad we're back to normal though. Let's go back to Science Time and see where we're up to.

BJ I've got something I want to show you before we go today. Here I've got two cards. I want you to look at these cards very closely and tell me which card looks bigger. Hold on, I know you might know the trick. Which one looks bigger? You think that one? Who else thinks this one looks bigger?

Child Me.

BJ It does, doesn't it. But now, watch closely what I'm going to do. I'm going to change them around. Now which one looks bigger?

Dion That one looks bigger, doesn't it?

BJ This one looks bigger doesn't it? But that was the small one before. Now watch again. I'm going to turn them back over. Change places. Oh, now which one's bigger? This one. Do you know this looks bigger but they are infact exactly the same size.

Child I knew that.

BJ You know this trick, don't you? This is a special science trick. Now, you are all going to get some of these to take home with you. And on our website at home you can find these. You can print them off and cut them out and you can play a science trick on someone at home. And today we've also got other stuff to take home.

Child Colouring-in.

BJ We've also got our informantion sheets. Now, you can find these on our website aswell. This is for our grown-ups talking aobut what we did at Science Time and you can have a look. And also fun stuff that you can do at home. So Dion can you go and give those to all our grown-ups. That would be great, thatnk you. And one other thing, look here. This is our colouring-in sheet today.

Child That's mine. That's mine.

BJ We're all going to get one, yeah. And this is also on our website at home. You can print it off and colour it in. O.K, here we go. A picture for everyone. And now it's time to look at the boys and girls at home and say see you next Sceince Time. Can we look at the boys and girls at home? See you next Science Time. Bye. Come and get a colouring-in picture everyone. Here we go.