

**Appendix C:** Production task story designed to elicit biclausal questions without the use of a lead-in

This is the story associated with Experiment 4 designed to elicit biclausal questions from children without the use of a lead-in. Target structures are indicated in bold. Children's responses are hypothetical. Regardless of the idea they present when they choose an option, Mindy disagrees, thus ensuring we need to ask about Mork's ideas.

These are two friends going on an adventure! This is an alien, but this is a racoon! She has been visiting other planets in her spaceship and now she wants to earth to her friend. Uh-oh! On the way something goes wrong and the ship crashes! (The racoon puppet is removed from behind the computer)

E(xperimenter): Can you say hello and ask her name?

C(hild): Hello! What's your name?

Mindy: Hello! My name is Mindy! This is my friend, but he doesn't speak English. When you want to talk to him, tell me what to find out and I'll ask him.

E: Let's ask about his name can you say "What's his name?"

C: What's his name?

Mindy: I'll ask what he wants us to call him (alien exchange). He says you can call him Mork!

E: Let's get to know each other. Do you have a favorite color?

C: responds

E: Nice! Why don't you ask Mindy "What's your favorite color?"

C: What's your favorite color?

Mindy: My favorite color is pink!

E: Now let's find out about Mork- can you ask Mindy about Mork?

C: What's his favorite color?

Mindy: I'll ask him! (alien exchange) He says his favorite color is brown.

E: Nice! Why don't we find out what they want to see on earth. Can you ask Mindy "What do you want to see?"

C: What do you want to see?

Mindy: I want to see a restaurant.

E: Let's find out about Mork! Can you ask Mindy "What does Mork want to see?"

C: What does Mork want to see?

Mindy: I'll ask him! (alien exchange) He says he'd like to see some fish! Our spaceship broke into lots of pieces. Can you help us look?

E: I think we can, don't you? Let's see, where should we look? There's a pond over here... and a forest over here... Do you have an idea?

C: The forest!

E: The forest is a good idea. Let's find out about Mindy. Can you ask Mindy "Where should we look?"

C: Where should we look?

Mindy: I think we should look by the pond.

E: Ok, you have two different ideas. Let's find out about Mork. Can you ask Mindy about Mork? (if needed) Can you say "Where does Mork think we should look?"

C: Where does Mork think we should look?

Mindy: I'll ask him! (alien exchange) He says he thinks we should look by the forest!

E: So they go to the forest and look what they find! The nose of the ship! Can you place that on your ship? Good! They keep going and they come across a farmer.

Mindy: Excuse me! We are looking for the pieces of our ship have you seen something that might be part of it?

Farmer Bob: I did see something that looked like a wing! I fell over there. Either by Farmer John's Farm or by Dr. Mary's hospital.

E: Hm... who has the wings? Do you have an idea?

C: Dr. Mary!

E: That's a great idea! Let's find out about Mindy- can you ask her "Who has the wings?"

C: Who has the wings?

Mindy: I think Farmer John has the wings.

E: ok- you have two different ideas, so let's find out about Mork. Can you ask Mindy?

**C: Who does Mork think has the wings?**

Mindy: I'll ask him! (alien exchange) He says he thinks Farmer John has the wings.

E: So they go to Farmer John's farm and look what they see! A wing! Stick that on your spaceship. Good job! But look! The wing broke Farmer John's fence when it fell! We should fix it! Who can fix the fence? We know Dr. Mary lives close by and we just met Farmer Bob, so he's not far off either. Do you have an idea?

C: I think Farmer Bob.

E: Good idea! Let's find out about Mindy can you ask her "who can fix the fence?"

C: Who can fix the fence?

Mindy: I think Dr. Mary can fix the fence.

E: Ok, let's find out about Mork. Can you ask Mindy?

**C: Who does Mork think can fix the fence?**

Mindy: I'll ask him! (alien exchange) He thinks Farmer Bob can fix the fence.

E: So they go find Farmer Bob again. When they get there, he says "I found this map in the road! Is it yours?" It sure is! Put that in the spaceship! Farmer Bob, we need help fixing Farmer John's fence. Can you help?

Farmer Bob: I can, but I will need a hammer and I don't have one. Teacher Ben might have a hammer... and so might Jenn the mechanic...

E: Hm. Who has a hammer? Do you have an idea?

C: I think Jenn the mechanic.

E: Good idea! Can you ask Mindy "who has a hammer?"

C: Who has a hammer?

Mindy: I think Teacher Ben has a hammer.

E: Ok, let's find out about Mork. Can you find out about Mork?

**C: Mindy, Who does he think has a hammer?**

Mindy: I'll ask him! (alien exchange) He thinks Jenn the mechanic will have a hammer.

E: So they go find Jenn the mechanic. She has a hammer and also says she has found a strange chair that doesn't go in any of the cars she is fixing! It belongs in the spaceship! Jenn says to come back if we need more help because she can fix anything. The friends take the hammer back to Farmer John's farm. They give the hammer to Farmer Bob and he uses it to fix the fence.

Mindy: Farmer Bob, Farmer John. Have you seen anything else that might be part of our spaceship?

Farmer John: Yes, I saw something that looked like an engine fall over there. Either by the gazebo or by the pond.

E: Hm where is the engine... do you have an idea?

C: The pond!

E: Good idea- let's ask Mindy "Where is the engine?"

C: Where is the engine?

Mindy: I think the engine is by the gazebo.

E: Hm. Let's find out about Mork can you ask Mindy "Where does Mork think the engine is?"

C: Where does Mork think the engine is? (Filler 1)

Mindy: I'll ask him! (alien exchange) He says he thinks it's over by the pond.

E: So, the friends go look. They find the engine, but it's badly broken. Who should we ask for help? Farmer Bob fixed the fence... maybe we should ask him... but then Jenn the mechanic said she could fix anything... Do you have an idea?

C: Jenn!

E: good idea. How about Mindy? Can you ask her "Who should we ask"?

C: Who should we ask?

Mindy: I think we should ask Farmer Bob.

E: Ok! Let's find out about Mork!

**C: Who does Mork think we should ask?**

Mindy: I'll ask him! (alien exchange) He thinks we should ask Jenn the mechanic.

E: So the friends return to Jenn's shop. When they get there they ask her if she can help fix the engine.

Jenn: I sure can, but I'm really busy. Maybe you can help me! Teacher Ben needs a new steering wheel and Farmer Bob needs four new tires. If you can help one of them, I can work on the engine.

E: Who should we help? Teacher Ben or Farmer Bob? Do you have an idea?

C: I think Teacher Ben.

E: Great idea. Can you ask Mindy "Who should we help"?

C: Who should we help

Mindy: I think we should help Farmer Bob.

E: Ok! How about Mork?

C: Who does Mork think we should help?

Mindy: I'll ask him! (alien exchange) He thinks we should help farmer Bob.

E: They go find Farmer Bob and he says he needs four new tires. Do you see four new tires on the screen? (Child points) Good job! But we can't put the tires on. We better give them to someone who can... Hm. Who should we give the tires to? There's Jenn, but she's really busy... and there's also her assistant, Rosie. Do you have an idea?

C: I think Rosie!

E: Good! How about Mindy. Can you ask her "who should we give the tires to?"

C: Who should we give the tires to?

Mindy: I think we should give the tires to Jenn the mechanic.

E: Ok! Let's ask Mindy about Mork. Can you ask her?

**C: Who does he think we should give the tires to?**

Mindy: I'll ask him! (alien exchange) He thinks we should give the tires to Rosie.

E: So they give the tires to Rosie who says she'll put them on the tractor, but also that she found another wing of the spaceship! Here you go! Jenn the mechanic comes and says "Guys, that engine will take a long time to fix. You'd better go explore a bit while I fix it" The friends decide they should see the things they want to on earth! Remember Mindy wanted to see a restaurant. Let's go eat lunch. The friends head down the path when they meet Dr. Mary and Sue the tennis player. Let's invite one of them to lunch. Who should we invite?

C: Dr. Mary

E: Very nice. Let's find out about Mindy. Ask her "who should we invite".

C: Who should we invite?

Mindy: I think we should invite Sue the tennis player.

E: Ok- let's find out about Mork!

**C: Who does he think we should invite?**

Mindy: I'll ask him! (alien exchange) He thinks we should invite Dr. Mary.

Dr. Mary: There are two places to eat. The diner and the café. Where should we eat?

E: Do you have an idea?

C: The café!

E: Let's ask Mindy. Can you ask "Where should we eat"?

C: Where should we eat?

Mindy: I think we should eat at the diner.

E: Ok, let's find out about Mork. Can you ask Mindy?

C: Where does Mork think we should eat?

Mindy: I'll ask him! (alien exchange) He thinks we should eat at the diner.

Dr. Mary: ok, but I'm not totally sure how to get there from here. Teacher Ben is nearby and so is Jeremy the student. Who knows the way?

C: I think Teacher Ben!

E: Good, let's find out about Mindy. Can you ask "who knows the way?"

C: Who knows the way?

Mindy: I think Jeremy the student knows the way.

E: Ok, let's ask about Mork. Can you ask Mindy?

**C: Who does he think knows the way?**

Mindy: I'll ask him! (alien exchange) He thinks Teacher Ben knows the way.

E: So they go to the school yard and ask Teacher Ben how to get to the diner. He says it's down this road by the super market! Let's go. So they go to the Diner and when they get there, they see Farmer Bob and Farmer John eating lunch. Farmer Bob says "Good choice coming here! You should get the burger. It's the best" Farmer John says "No, get the macaroni! That's the best". Hm. Who should we listen to? Do you have an idea?

C: I think Farmer John!

E: Ok, let's find out about Mindy. Can you ask "who should we listen to?"

C: Who should we listen to?

Mindy: I think we should listen to Farmer Bob.

E: Ok, let's find out about Mork. Can you ask Mindy about Mork?

**C: Who does he think we should listen to?**

Mindy: I'll ask him! (alien exchange) He thinks we should listen to Farmer Bob.

E: So the friends get a burger and share it. Now they have seen a restaurant. Do you remember what Mork wanted to see? Fish! Let's go to the aquarium. When they get there, they realize they only have time to visit one exhibit: the jelly fish or the sharks. Who should we see?

C: The sharks!

E: Good idea. Let's find out about Mindy. Ask "Who should we see?"

C: Who should we see?

Mindy: I think we should see the jellyfish.

E: Ok, let's ask about Mork!

**C: Who does Mork think we should see?**

Mindy: I'll ask him! (alien exchange) He says he thinks we should see the sharks.

E: Ok- let's take a tour. There are two tour guides. One with a shark hat and one with a fish hat. Who can show us the sharks?

C: The one with the shark hat!

E: Ok, let's ask Mindy! "Who can show us the sharks"

C: Who can show us the sharks?

Mindy: I think the one in the fish hat can show us the sharks.

E: Ok, let's ask about Mork!



**C: Who does he think can show us the sharks?**

Mindy: I'll ask him! (alien exchange) He thinks the one with the shark hat can show us the sharks.

E: So they go with the guy in the shark hat and have a great visit looking at the sharks. So cool! On their way out of the aquarium, they see a guy selling shirts with turtles and a girl selling shirts with dolphins. Who has a better shirt?

C: The girl!

E: Let's find out about Mindy. Can you ask "Who has a better shirt"?

C: who has a better shirt?

Mindy: I think the boy has a better t-shirt.

E: Ok, let's find out about Mork.

**C: Who does he think has a better t-shirt?**

Mindy: I'll ask him! (alien exchange) Mork says he thinks the boy has the better t-shirt.

E: So Mork buys a t-shirt from the aquarium to remember his visit. The friends go back to Jenn's shop and when they get there she says "Here's the engine! It's all fixed!" Great! Take that and put it inside the ship! Now look, we can put the ship in the computer! It's all fixed (places the ship behind the computer as it appears on screen). The friends jump inside and off they go. Thank you for helping them continue their adventures!