

Camden and Olivia do a puzzle - action transcript

- :03 Olivia correctly seats a sky blue piece in a well-defined hole. **Space filling**
- :04 Olivia seats another piece in a well-defined hole and pounds the piece. **Space filling**
- :08 Camden looks over loose pieces, finds one he likes, moves it to the incomplete zebras, seats the piece easily without rotation, and pats the piece. **Piece fitting**
- :22 Olivia picks up a piece close at hand and looks over the puzzle to find where the piece might go. She seats the piece, after some slight adjustments, into a well-defined hole. **Space filling**
- :25 Camden reaches way over to get some pieces that match the region he is working on, selecting them either by their color spectrum or by recognizable animal parts. **Piece fitting**
- :26 Olivia seats another piece in a well-defined hole, rotating the piece to the correct orientation even before placing it in the hole. **Space filling** She rubs her hand over the piece. At this point the puzzle is complete except for the quadrant closest to Camden.
- :32 Camden seats a piece in a hole defined on three sides with good pattern and color continuation. **Space filling**
- :32 Olivia selects a lion piece close at hand and visually scans the puzzle for likely spots. **Piece fitting** She touches the lion piece next to some empty notches that are inside the zebra. Perhaps she is drawn to the empty notches themselves. She discards the first lion piece and picks up another. She tests a few spaces with this piece and discards it. **Piece fitting**
- :35 Camden selects a piece with a straight edge, but tries it several places in the interior of the puzzle before he finds where it goes on the left edge of the puzzle. **Piece fitting** He does not use the clue that this is an edge piece. **Not edge fitting**
- :45 Olivia holds another lion piece, looks over the puzzle, holds this piece near a nearly completed lion but cannot find a matching space. **Piece fitting** She brushes the piece over the nearly completed lion as if to say, "This piece should go here." She pats the nearly completed lion and tries the lion piece in a nearby space. It does not fit, so she discards the piece.
- :54 Camden looks at the left edge of the puzzle, selects a matching piece, moves it immediately to the left edge, and seats it correctly. **Edge fitting**
- :55 Olivia picks up an upside down piece and turns it over to see that it has orange colors, as does the lion. She discards this piece right away. She finds another orange piece and throws it over near Camden. **Piece fitting**
- :59 Olivia watches Camden trying to seat a piece on the left edge. The piece is an edge piece, but Camden does not have it oriented correctly. **Not Edge fitting** After Camden discards the edge piece that he could not fit, Olivia points to the space that needs a piece **Space filling** and tells Camden that the piece he was trying does not fit in that space.
- 1:10 Camden picks up an orange piece and looks at it carefully. He places it near some orange in the puzzle but quickly aborts this move since there is no compatible space. He discards the piece. **Piece fitting**

- 1:10 Olivia picks up a piece near the edge space that Camden had tried in the previous move. The piece is blue and does not match the colors where she is working. It is not an edge piece either. It does not fit. **Piece fitting**
- 1:20 Camden picks up the piece Olivia had tried on the edge in the previous move. It has a little blue, and he tries it near a pip that is blue in the interior. Olivia wants to help him rotate the piece. It does not fit. Camden insists that he does not need Olivia's help. Camden lifts the piece to give it a closer look. After one false placement he moves it to its correct spot, which completes one of the animals in the interior of the picture. **Piece fitting**
- 1:22 Olivia spots a loose piece that has a bit of blue on a pip. She moves it directly to the spot where it belongs and seats it correctly. **Piece fitting** For some reason she does not like the way it fits and, in her attempts to unhitch the pieces, several come undone.
- 1:35 Camden complains and then repairs several pieces that Olivia dislodged. Olivia says the undoing was an accident.
- 1:42 Camden looks at the complete picture of the puzzle on the puzzle box that Olivia holds up near his face. Camden explains that he does not need this help.
- 1:52 Camden lifts an edge piece and places it correctly on the bottom edge of the puzzle. **Space filling**
- 2:01 Camden accidentally picks up an orange piece that is not an edge piece and tries to place it first at the bottom edge and then on the left edge. **Space filling** It does not fit.
- 2:10 Camden selects a loose piece from a group and moves it directly to the spot where it fits into a hole that is completely defined as the contour of the piece. **Space filling**
- 2:16 Again Camden selects a loose piece from a group and moves it directly to the spot where it fits into a hole that is completely defined as the contour of the piece. Each time he orients the piece correctly before placing it in the hole. **Space filling**
- 2:18 Olivia says that there is a peacock in the picture on the box lid and then points to the peacock in the completed section of the puzzle. The puzzle is upside down from Olivia's perspective. Camden demurs, saying that if the bird does not have a lot of features, then it is not a peacock.
- 2:24 As Camden picks up an orange piece, he looks over to the orange section of the puzzle. **Piece fitting** But Olivia tosses him a yellow piece, and he picks that one up. He adjusts his attempts on the lower edge of the puzzle, but the piece does not fit. It has similar colors. He leaves the piece loose in that region.
- 2:30 Olivia, in a rather causal move, slides an orange piece near the trouble spot on the left edge. She does not try to seat it, perhaps recognizing that Camden would like to finish that quadrant of the puzzle.
- 2:40 Camden returns to the orange piece he had before and that Olivia had touched in the previous move. He tries it on the left edge. This is not an edge piece. He rotates it three times before discarding it. **Not edge fitting**

Video ends

Camden and Olivia - verbal transcript

- :03 Olivia: There we go. (correctly seats a sky blue piece in a well defined hole, then seats another piece in a well defined hole and pounds the piece)
- :08 Olivia: Now proooogress!
- :13 Olivia: There we go. Now the whole puzzle. Only just right there.
(seats another piece in a well defined hole and smooths the piece)
(Camden seats a piece in a hole defined on three sides. Both children are matching colors and patterns to specific regions of the puzzle picture.)
- :23 Camden: (reaches over and picks up a loose piece) Here's some of my pieces.
- :24 Olivia: (seats another piece in a completely defined hole) There we go! Now on my team (pats the puzzle, then picks up another piece) (At this point the puzzle is complete except for the quadrant closest to Camden.)
- :31 Olivia: Now Camden, I think maybe this lion piece goes maybe next. (touches piece to lion, then drops it as if she is offering it to Camden) (Camden does not pick up the piece Olivia puts down, but continues testing with his piece until he finds the right spot. Olivia picks up a new piece. Her voice drops to a mutter as if she is talking to herself and not Camden), and this lion piece goes... I love leopards so that goes... (tests the leopard piece in a couple of spots that do not fit, then pats the puzzle) Okay. Progress, progress. Progress.
- :49 (Olivia continues to test a couple of spots. The puzzle piece does not fit. Olivia tosses the puzzle piece near Camden's hand.) Olivia: Camden! (Camden finds the spot for the puzzle piece immediately right below the piece he has just put in.)
- :53 Camden: (very softly) The lion cave is over there.
- 1:00 Olivia (watches Camden while nodding her head): I think this goes, (pats the two pieces he just put together, then pats the empty piece of carpet where the puzzle has not yet been built) but that doesn't go.
- 1:08 Olivia (climbs over the puzzle to pick up a piece): It's kind of like a big lion piece.
- 1:14 Camden: I can't think of that but... you are making... you are in my... (Olivia reaches for the piece that is in Camden's hand) You can't take this from me.
- 1:24 Olivia: I know that, but I'm trying to help you. (putting a puzzle piece together)
- 1:27 Camden: I don't need help with these.
Olivia: I know...
Camden: You broke them!
- 1:34 Olivia: I'm sorry! It was an accident!
Camden: But I need no help.
- 1:39 Olivia: (reaches behind her to pick up the puzzle lid) (When she speaks, her tone seems soothing.) Here's the picture.
- 1:43 Camden: (looks at the picture for a second) I don't need help with that.
- 1:47 Olivia: So listen. So the lions.
Camden: Um. I don't need help with those.
Olivia: So...
Camden: No. I don't need help.

Olivia: No. I'm just reading, Camden. ("reads" the picture very softly)
(Camden continues putting the puzzle pieces together.)

2:09 Olivia: (louder – to Camden) so the little pieces are –
Camden: No, you can't tell me that.
Olivia: Pieces are on it and there's...
Camden: You can't tell me.
Olivia: (louder and bending down to ensure eye contact) And there's a peacock
on there!

2:18 (Camden studies the picture. Olivia repeats, softer this time): A peacock in
there. (points to the completed puzzle that correlates to the box) Right there.
Here's a peacock.

2:23 Camden: Those don't have...
Olivia (tosses a piece towards Camden): Here's the lion pieces.
Camden: See. They don't have so many feathers. It's not a peacock.

2:37 Olivia: (turns her attention to the window, then to the teacher holding the video
camera): Hey, who's outside? (Camden continues to work on the puzzle at a
steady pace, while Olivia turns her attention to the teacher and to the child who
has just entered the room.)

Video ends