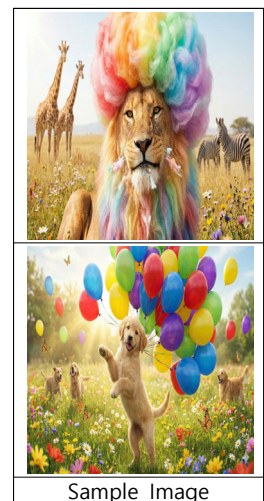


# CREAMO AI Coding Lesson Plan [Lesson 6]

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |             |
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| <b>Topic</b>          | My Favorite Animal Friends                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Age</b>      | 5-year-olds |
| <b>Materials</b>      | - Digital learning materials<br>- blocks (ADDI Blocks and creative blocks)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Duration</b> | 45 min      |
| <b>Objectives</b>     | 1. Understand that combining a favorite animal, an action, and an object in a Subject–Verb–Object structure creates a sentence.<br>2. Actively revise an AI-generated image by changing words and conditions.<br>3. Experience a sense of achievement by expressing an animal through language, AI, and blocks.                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |             |
| <b>Overview</b>       | 1. Recall the previous lesson and talk about the topic of animals.<br>2. Understand the command framework used to create images with generative AI.<br>3. Generate an image using the command framework and observe how the image changes when different conditions are applied.<br>4. Play with ADDI Blocks and conclude the activity.                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |             |
| <b>Lesson Outline</b> | <b>Step 1. Introduction Activity ..... 5 min</b><br><br><b>① Talk about the topic [Refer to Slide 1]</b><br>- Today, we are going to learn about “My Favorite Animal Friends.”<br>- There are many different animals here. Which animal do you like the most?<br>- Have you ever seen that animal in real life? What does it look like?<br>- (Show a picture.) Does anyone like this animal?<br>- What does this animal look like?<br><br><b>② Recall the previous lesson [Refer to Slide 2]</b><br>- Do you remember making animal legs with ADDI Blocks in the workbook?<br>- Which ADDI Blocks were used?                                                                                                                                                        |                 |             |
|                       | <b>Step 2. AI Coding Activity ..... 15 min</b><br><br><b>① Write an AI sentence [Refer to Slide 3]</b><br>- Let’s look at the words shown here.<br>- We will use these words to make a sentence.<br>- What sentence should we make?<br>- What is the animal doing?<br><i>* Examples</i><br>- <i>Subject: a puppy / a kitten / a lion</i><br>- <i>Verb: is holding / is wearing / is dancing with</i><br>- <i>Object: rainbow cotton candy / a sparkling crown / a big balloon</i><br><i>** Example prompt: “A lion is wearing rainbow cotton candy on its head.”</i><br><i>- How to enter the prompt: Select Create Image and set it to Pro Mode.</i><br><br><b>② Generate and revise an AI image</b><br>- Now, shall we enter the sentence we created into the AI? |                 |             |



Sample Image

- We entered our sentence and generated an image.
- What is the animal doing in the image?
- Does the picture match the sentence you made?
- Is there anything you would like to change in the image?
- How could we change it?
- Shall we try a different animal?



**\*\* How to change conditions**

- *"Change the lion to a puppy." / "Change the cotton candy to a balloon."*
- Did the image change the way you expected?

### Step 3. Building with Blocks ..... 00 min

#### ① Generate an AI image that includes ADDI Blocks

- Now, shall we build this image with blocks?
- First, let's ask the AI to transform the image into a block model.

**\*\* How to convert it into an ADDI Block design:**

*1. Attach photos of the ADDI Blocks.*

*2. Enter*

*"Use Duplo blocks and each block in the attached photos once to build [object]."*

- Does the block version look good?
- How were the ADDI Blocks used?
- Shall we try another sentence?
- What sentence should we use?
- The teacher prepared several block-model images. Let's look at them together.
- What do you think this image shows? [Refer to Slides 4–8]
- Which ADDI Blocks can you find?
- Shall we look at the next image?

#### ② Build a creation with ADDI Blocks and enjoy free play

- Choose either the image you created today or one of the sample images and build it freely.
- Which one would you like to build? [Refer to Slide 9]
- Choose what you want to make and begin building.

*\* Support children in comparing the 2D image with their 3D creation and freely modifying the design as they build.*

*\* When a child wants to copy the AI image exactly, explain:*

- *"Our AI friend can draw magical pictures, but sometimes it imagines shapes that cannot be built with the real blocks we have."*
- *"We also have blocks that the AI did not think of. Shall we use them to create our own design?"*
- *"The AI can draw pictures, but it cannot touch real blocks. Let's show it what happens when we build the design ourselves!"*

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| <b>Lesson<br/>Outline</b> | <p><b>Step 4. Free Play..... 00 min</b></p> <p>① <b>Free play</b></p> <ul style="list-style-type: none"><li>- Now, shall we use our creations for free play?</li><li>- Until [time], use the ADDI Blocks to make and play with anything you would like.</li></ul> <p>② <b>Cleanup</b></p> <ul style="list-style-type: none"><li>- It is now [time]. Shall we clean up?</li><li>- Please place the ADDI Blocks in the ADDI Block basket.</li><li>- Check that blocks with the same channel number are grouped together and that all 12 blocks and 2 wheels are present.</li></ul> <p>③ <b>Activity assessment and closing</b></p> <ul style="list-style-type: none"><li>- What picture did you create with AI today?</li><li>- Does the AI-generated animal look similar to the animal you built with blocks?</li><li>- The picture stays still, but the animal we built with blocks can move.</li><li>- The next time AI creates a design image for us, what words or instructions should we add?</li></ul> |
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