

Appendix 3: Play Space/ Learning Centre Activity Plan Template

Theme/ Topic: Nature	Level/ Age Group: K1/ 4 to 5 Years Old
Name of Learning Centre: Numeracy Corner	
Activity 1: Flower pattern partners	
<p>Objective(s): Children will be able to ...</p> <ul style="list-style-type: none"> • Work together with their peers to create and complete AABB patterns shown on their pattern cards using flowers. 	
<p>Materials:</p> <ul style="list-style-type: none"> • 20 picture cards containing coloured box patterns (2 sets of 10) • 4 packets of fake flowers (pink, blue, yellow, white) 	
<p>Brief description of Activity 1</p> <ul style="list-style-type: none"> • Child A will be given cards that contain AABB patterns and child B will be provided with coloured flowers. • Child A will read out the pattern on the card and child B will create it using the coloured flowers. They will then have to continue by adding the next 2 flowers in the pattern. • After completing 5, they will switch positions. Child B will read out the patterns while child A makes the patterns. 	
<p>Number of children: 4</p> <ul style="list-style-type: none"> • Educator gathers children to sit at numeracy corner table. She will ask children about their previous numeracy lesson on AAB patterns and introduce AABB patterns. <ul style="list-style-type: none"> a) <i>“Good morning children! What do we have in front of you? What is on the card? Do you see a pattern? Does anyone remember what pattern we used to create our leaf artworks last week?”</i> 	

<p>b) <i>“Yes! We used AAB patterns! Today, we will be making it more difficult and creating AABB patterns! Does anyone want to guess what is an AABB pattern?”</i></p> <ul style="list-style-type: none"> Educator will explain that children will be working in pairs to create and complete patterns. Educator to demonstrate using the materials. <ul style="list-style-type: none"> a) <i>“Today we will be doing an activity!. You will split into 2 pairs. One friend will take the pattern cards and read to your friend what is the colour on the paper. For example, the paper here I am holding has “yellow, yellow, white, white”, so what must your friend do? There are blue, pink, white and yellow flowers in each plate.”</i> b) <i>“When your friend tells you the pattern, “yellow, yellow, white, white” you will take 2 yellow flowers and 2 white flowers and put it together.</i> c) <i>“Now why do you think there are question marks on the paper? You must guess what’s the next 2 in the pattern. So next in the pattern would be yellow, yellow. So you will then take 2 yellow flowers and put in the pattern.</i> d) <i>“After you finish the 5 cards, Please tell me as I have 5 more cards for you. We will get you to switch!”</i> Educator will tell children to clean up and return flowers. <ul style="list-style-type: none"> a) <i>“Once you are done, please remember to keep back the flowers and stack the pattern cards.”</i> After going through the instructions, educator will give the children the first 5 patterns and flowers and get them to start. Next 5 cards will be handed later on.

Activity 2: Number patterns
<p>Objective(s): Children will be able to ...</p> <ul style="list-style-type: none"> Identify and create AAB patterns using numbers that correspond to the amount of petals on a flower. (e.g. 3 petals on a flower is equal to the numeral 3)
<p>Materials:</p> <ul style="list-style-type: none"> 24 pattern cards that contain flowers with different amount of petals (4 sets of 6) 8 sets of number cards (4 to 6)

Brief description of Activity 2

- Children will receive 6 pattern cards and 2 sets of number cards.
- Children will have to identify the number pattern on the card based on the amount of petals each of the flowers have.
- They will then create the AAB pattern using the number cards provided.

Number of children: 4

- Educator gathers children to sit at the numeracy corner table. She will ask children about their previous numeracy lesson on AAB patterns.
 - c) *“Good morning children! Before we start on our activity, does everyone remember our AAB pattern leaf artworks we made last week?”*
 - d) *“Today we are going to be testing our ability to create AAB patterns!”*
- Educator will explain to children they will be creating AAB patterns based on the number of petals the flowers have . She will use the materials to demonstrate.
 - a) *“Each of you will receive 6 pattern cards that contain AAB patterns made of flowers! Now, you will have to pay close attention to how many petals each flower has!”*
 - b) *“You will also be given number cards. According to the number of petals on each flower, you will create an AAB pattern using the number cards! For example, if your flowers have “6 petals, 6 petals, 4 petals and 6 petals”, you will use the numbers, 6, 6, 4 and 6 to make your AAB pattern!”*
- Educator will tell children to clean up and stack the cards.
 - b) *“Once you are done, please remember to keep back the cards and stack them properly.”*
- After going through the instructions, educator will give the children the 6 pattern cards and get them to start.

References

Djvstock. (n.d.). *Blue flower of five petals with white and green center* [photograph]. 123rf.

https://www.123rf.com/photo_93882068_blue-flower-of-five-petals-with-white-and-green-center-vector-illustration.html?vti=nnw8uw8k9qppu0jpzj-1-10

ECstep. (n.d.). *Nature Pattern* [photograph]. Pinterest. <https://ecstep.com/natural-patterns/>

Julia Kuznetsova. (n.d.). *A Four-petal Flower Lilac* [photograph]. Shutterstock.

<https://www.shutterstock.com/image-photo/fourpetal-flower-lilac-427018036>

Li. (2021, February 17). Patterns in Nature. Microcosmic.

<https://www.microcosmic.info/2021/02/patterns-in-nature.html>

Sizov. (n.d.). *Lily flower with six petals isolated on a white background* [photograph]. 123rf.

https://www.123rf.com/photo_122614482_lily-flower-with-six-petals-isolated-on-white-background-.html?vti=n1ul8qd4nlazctgcc6-1-1

Teachers Pay Teachers. (n.d.). *Pattern Cards (AB,ABC,ABBC,AAB,ABB,AABB,ABCD)*

[photograph]. Pinterest. <https://www.pinterest.com/pin/503347695829877196/>

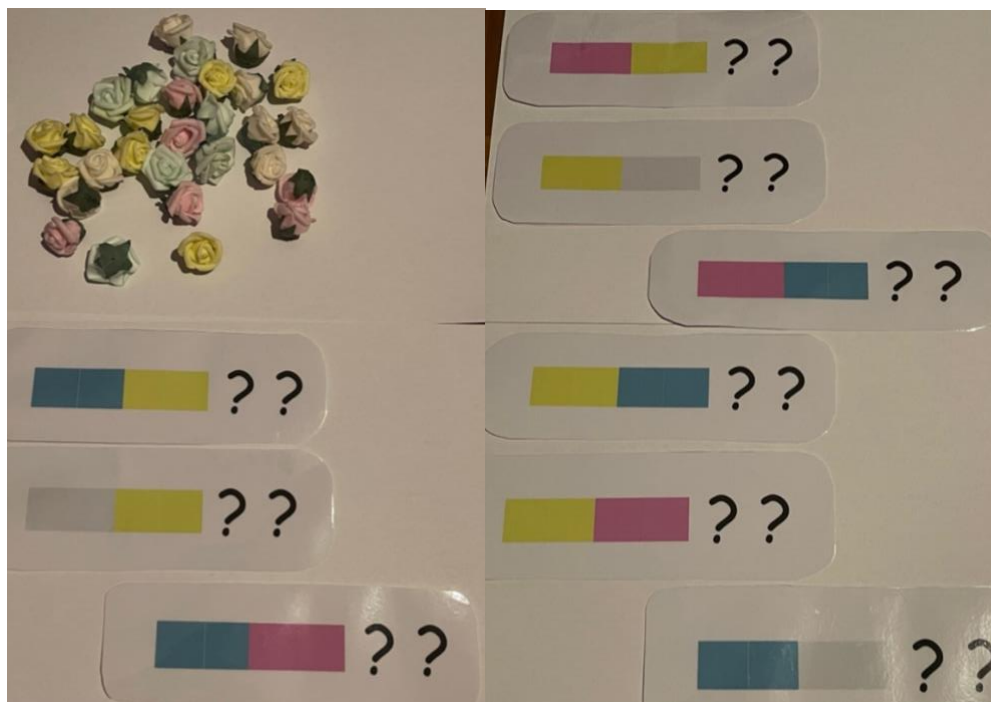
Whalen, M. (n.d.). *Word Work Anchor Chart; Daily 5 / Kindergarten Anchor* [photograph].

Pinterest.

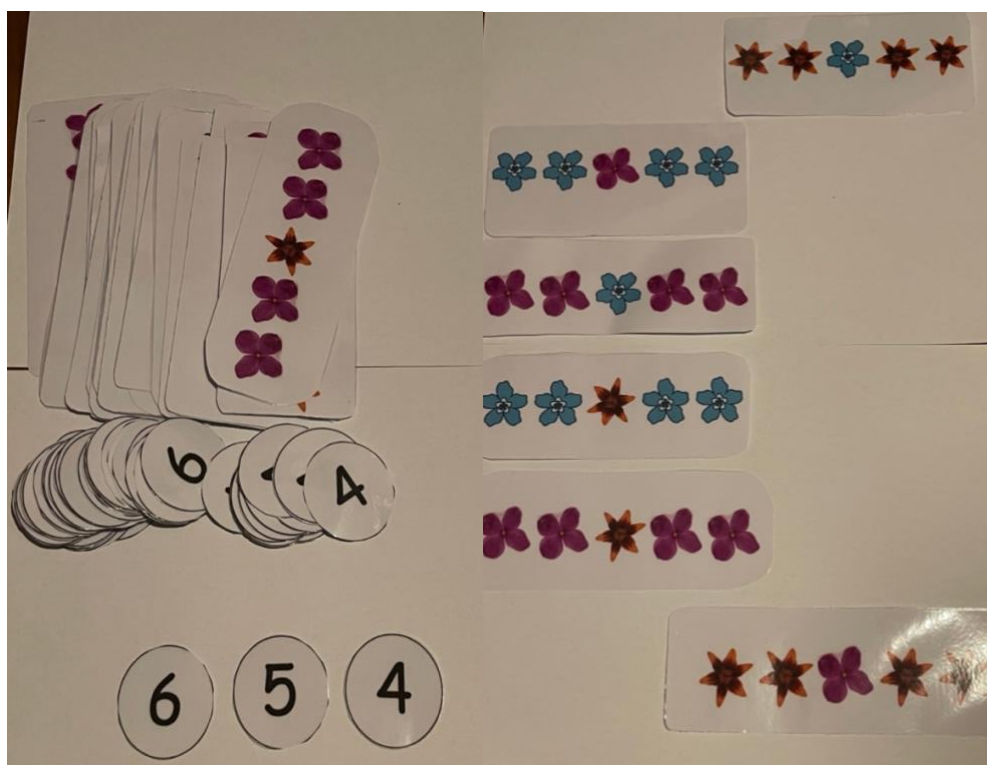
<https://www.pinterest.com/pin/693484042624190459/?d=t&mt=signupOrPersonalizedLogin>

Appendix

Activity 1 resources



Activity 2 resources



Play Space resources

