Mearningful Moments of Play-Based Learning in K-Institution: Case Studies From South Korea

April. 28. 2023
Mearningful Moments of Play-Based Learning in K-Institution: Case Studies From South Korea

1. Reimaging: Conversion from a theme playground to a children’s museum
   - Jinhee Kim (Chief Curator, Gyeonggi Northern Children’s Museum)

2. Yangju Chang Ucchin Museum of Art ACT Project
   - Kim Suyeon (Curator, Chang Ucchin Museum of Art Yangju City)

3. Diversity and Challenge: KidsMaker Studio
   - Yu Mansun (Director, Department of Exhibition Support, Gwacheon National Science Museum)

4. Expansion of healthy living habits of young childrens and their families
   - Park Ji-un (Consultant, Korea Productivity Center)
2023 ACM(ASSOCIATION OF CHILDREN’S MUSEUM) INTERACYIVITY

Meaningful Moments of Play-Based Learning in K-Institution:
Case Studies From South Korea

Reimagining: Conversion from a theme playground to a children’s museum

April. 28. 2023

Jinhee Kim
(The former Chief Curator, Gyeoggi Northern Children’s museum)
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Jinhee Kim

- As the opening member of Samsung Children's Museum, Korea's first children's museum, a child museum worker for more than 30 years.
- Major: Ph.D. completion in early childhood education and two master's degrees in art education
- Career: Starting as a curator ~ Experienced director GCM Samsung Museum of Art, Leeum's Children's Open Exhibition and Children's Art Exhibition for 3 years, etc
개인 소개 및 경기북부어린이박물관 소개

Gyeonggi Northern Children’s Museum
Gyeonggi Northern Children's Museum

✓ Location
  : the South Korean metropolitan area, Dongducheon City under the truce line

✓ Building area
  : 6000 m², 3rd floor

✓ Visitors
  : 150,000 visitors in 2019
     135,000 COVID-19 cases in 2022

✓ Operation
  : Gyeonggi Cultural Foundation, a public institution in Gyeonggi-do
Gyeonggi Northern Children's Museum

[ Conditions and Environment ]

✓ The location of the entrance to Soyosan Mountain, which is beautiful with autumn leaves

✓ an accessible weekend outing in the Seoul metropolitan area

✓ It's relatively poor in Dongducheon City of Dongducheon, Visitors visit without much expectation

✓ Surprised Children's Museum
  A treasure in nature,
  We're restricting visitors due to COVID-19
  More pleasant viewing!
The current status of the Korean Children's Museum and the uniqueness of the exhibition administration
II current status of the Korean Children's Museum and the uniqueness of the exhibition administration
II current status of the Korean Children's Museum and the uniqueness of the exhibition administration

Administrative System of Exhibits in Korea

Place of order → a public notice → Exhibition design and production company selection → Production completed

- Non-expert orders
- General Exhibition Designers
- Visual expert planning design

Gyeonggi Northern Children's Museum: Reflecting Expert Consultation
Ⅲ. Enhance renovation and exhibition contents

[ Project for the Reopening of the Gyeonggi Northern Children's Museum in 2020 ]

- Judgment: The name of the children's museum is difficult to say

- Administration: Opening the Children's Museum in Dongducheon City without planning by experts (2016)

- Content: Focus on physical play in the theme park atmosphere and install water and dinosaurs that children like, Contextless environments and exhibitions, Lack of ability to explore curiosity and world knowledge
Ⅲ. Enhance renovation and exhibition

Gyeonggi Northern Children's Museum

1 Floor: Climber Zone / Dinosaur Zone / Infant Zone
2 Floor: Forest Ecological Zone/WaterPlay Zone/Animal House Zone/Special Exhibition
Ⅲ. Enhance renovation and exhibition

Gyeonggi Northern Children's Museum

Water play zone: Water gun play level that has nothing to do with the ecological environment of the forest, which is the subject, and excessive failure
* Thinking: How to turn it into a children's museum?

- Content Topics: Forest, Ecology, and Environment
- Renovation Gallery Scope: 3 out of 7
- budget: 1 billion
- Schedule to reopening: 8 months
- Number of planners: 3 people

<table>
<thead>
<tr>
<th>Gallery</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>the water zone</td>
<td>: 120 pyeong</td>
</tr>
<tr>
<td>Animal House Building Zone</td>
<td>: 80 pyeong</td>
</tr>
<tr>
<td>Special Zone</td>
<td>: 70 pyeong</td>
</tr>
<tr>
<td>Exhibition of water</td>
<td></td>
</tr>
<tr>
<td>Forest and Character</td>
<td></td>
</tr>
<tr>
<td>Education Zone</td>
<td></td>
</tr>
<tr>
<td>(Future Environment)</td>
<td></td>
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</tbody>
</table>
숲길을 따라 물길과 비밀의 언못 속으로!
감성적 체험놀이를 통해 원활한 체험학습활동으로 동물과 자연의 지혜를 인식하고 가치를 발견하며 자유롭게 체험하는 숲 속 공간

a proposal from a selected company
Wall graphic: Simple but somewhat mysterious color of the valley, line drawing and white surface treatment on the wall where the exhibits are located.
Report on the final of the exhibition: Check the matters to be considered in the operation with the exhibition operation staff and reflect the necessary matters in the exhibition
3 Types of Bird's House kiosks
III. Enhance renovation and exhibition

Gyeonggi Northern Children's Museum

Exciting valley water

Water table recycling + new exhibits + valley graphics + media pond installation
Ⅲ. Enhance renovation and exhibition

Gyeonggi Northern Children's Museum
### 3. Enhance renovation and exhibition

[ Gallery renovation and exhibition enhancement plan establishment ]

<table>
<thead>
<tr>
<th>year</th>
<th>the promotion of a plan</th>
<th>the result</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020</td>
<td>Renovation of 3 galleries out of 7</td>
<td>Renovation of 3 galleries completed</td>
</tr>
<tr>
<td></td>
<td>The first half of year Complementing the exhibits</td>
<td>14 exhibits completed</td>
</tr>
<tr>
<td></td>
<td>the second half of the year Complementing the exhibits</td>
<td>13 exhibits completed</td>
</tr>
<tr>
<td>2021</td>
<td>The first half of year 2nd Floor Forest Ecological Zone Enhancement Exhibition</td>
<td>12 exhibits completed</td>
</tr>
<tr>
<td></td>
<td>the second half of the year 1st floor reinforced dinosaur zone exhibition</td>
<td>5 exhibits completed</td>
</tr>
<tr>
<td>2022</td>
<td>the second half of the year 1st floor reinforced infant zone exhibition</td>
<td>10 exhibits completed</td>
</tr>
</tbody>
</table>
Ensuring the separation of the entrance and exit.
Preventing safety accidents and ensuring cleanliness.
Creating an appropriate experience
Gradual enhancement of gallery content: the forest ecology zone in 2020 -> the dinosaur zone in 2021 -> the toddler zone in 2023.

2020 specialization of the forest ecology zone

✓ **Graphic treatment of the ant colony (friendly induction)**

✓ **Additional production.**
   Forest orchestra exhibit
   Four-season tree transformation (media)
   Wearing protective clothing of insects exhibit
   Viewing through the eyes of a bird (media) exhibit

✓ **Adding three more types of trees for visitors to view.**
   Moving model of ground squirrel,
   video of squirrel
   model of bird

✓ **Specialization of constellation-related exhibits.**
   Constellation storybook
   Constellation shadow puppet show
   Relocation of constellation exhibition items and wishing well
Ⅲ. Enhance renovation and exhibition

For the large ant colony exhibit, we added friendly ant illustrations and 2D slide images to enhance the graphics.
The gallery has added experience exhibits for each of the three trees by painting their tops with green color and creating small squirrel videos to watch.
Ⅲ. Enhance renovation and exhibition
Ⅲ. Enhance renovation and exhibition
Ⅲ. Enhance renovation and exhibition
III. Enhance renovation and exhibition
Imagination World's dinosaur exhibit

Ⅲ. Enhance renovation and exhibition
Ⅲ. Enhance renovation and exhibition

The Dinosaur Media Observatory
dinosaur mask
III. Enhance renovation and exhibition

YouTube: Development of Dinosaur Workout
Ⅲ. Enhance renovation and exhibition

<The dinosaurs have appeared – Arsaurus> APP
III. Enhance renovation and exhibition

Dinosaur activity center

Programs will be operated for a month to commemorate the Dinosaur Zone exhibition.
Ⅲ. Enhance renovation and exhibition

2022 영유아 바다놀이터
Ⅲ. Enhance renovation and exhibition

Octopus Leg Catching Game.
Ⅲ. Enhance renovation and exhibition

The sound of marine creatures
Visitor's feedback after enhancing the Infant Zone exhibition

As mentioned by the operating staff, the satisfaction of the visitors comes from the number of various contents and the cleanliness of the facilities where infants can play.

Previously, when entering the Infant Zone, parents often left their children to play and rested themselves.

However, after enhancing the exhibition items, there are more activities to experience together, and it is noticeable that parents are actively participating with their children.
Mom's internet reactions

그날 제가 가고 싶은데로 무조건 직접적전
### Results and analysis of visitor survey

<table>
<thead>
<tr>
<th>year</th>
<th>2021</th>
<th>2022</th>
<th>analysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visitor age range</td>
<td>Ages 4 to pre-school (30%) Ages 1 to 3 (27%)</td>
<td>Ages 4 to pre-school (41%) Ages 1 to 3 (23%)</td>
<td>Infant &amp; preschooler – centered</td>
</tr>
<tr>
<td>Residence</td>
<td>Gyeonggi Province (74%) Seoul city (23%)</td>
<td>Gyeonggi Province (60%) Seoul city (31%)</td>
<td>Increase of Seoul citizens (30%)</td>
</tr>
<tr>
<td>re-visit rate</td>
<td>re-visit rate (41%)</td>
<td>re-visit rate (51%)</td>
<td>The number of repeat visitors has increased compared to the first-time visitors.</td>
</tr>
<tr>
<td>Gallery satisfaction</td>
<td>Valley Water Zone (93%) Forest Ecology Zone (92%) Dinosaur Zone (88%)</td>
<td>Toddler Zone (93%) Forest Ecology Zone (78%)</td>
<td>In 2021, all new planned galleries were opened and the forest ecology zone remained popular. In 2022, the newly revamped Toddler zone became popular. However, there have been issues with the water zone.</td>
</tr>
<tr>
<td>Exhibition experience satisfaction</td>
<td>Satisfied + Very Satisfied (93%)</td>
<td>Satisfied + Very Satisfied (95%)</td>
<td>Partial increase</td>
</tr>
</tbody>
</table>
Contribution as a children's museum in the metropolitan area

The space that was previously like a themed playground was transformed into an children's museum from 2020 to 2022 (3 years).

All galleries except the Climber Zone were renewed or reinforced with a total of over 100 exhibits.

- The exhibit design included a connection between photo materials, real objects, replicas, the real world, and online-offline media presentations.

- In terms of child development, exhibits were planned according to the developmental level and interests of children.

- The operation focused on easy maintenance and safety in replacement, as well as program operation.

The Gyeonggi Northern Children's Museum has established its identity as a specialized children's museum in the forest, ecology, and environment, and contributed as an educational and cultural institution with a re-visit rate of over 50% in the metropolitan area.
Thank you~
Now let's make a dinosaur collector activity site.
1. Select 6 out of 8 dinosaur stickers and attach them to the activity site of the showcase picture.
2. Name a dinosaur. Refer to the etymology of the dinosaur name.
3. Write down the names of dinosaurs.
4. You can decorate the surroundings with markers or colored pencils.
Dinosaur naming References

Saurus is a lizard, Laptor is a thief, Deino is a scary, Tree is three, Korea is a Koreano
It's for your reference in naming.

<table>
<thead>
<tr>
<th>이름</th>
<th>뜻</th>
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<tbody>
<tr>
<td>사우루스(saurus)</td>
<td>도마뱀</td>
</tr>
<tr>
<td>랩토르(raptor)</td>
<td>도둑</td>
</tr>
<tr>
<td>미무스(mimus)</td>
<td>모방꾼, ~을 닮은</td>
</tr>
<tr>
<td>프로(pro, proto)</td>
<td>초기의, 원시의</td>
</tr>
<tr>
<td>데이노(deino)</td>
<td>무서운, 끔찍한</td>
</tr>
<tr>
<td>벨로키(veloci)</td>
<td>날렵한</td>
</tr>
<tr>
<td>케라(cera)</td>
<td>뿔이 달린</td>
</tr>
<tr>
<td>로포(lopho)</td>
<td>뼈이 달린</td>
</tr>
<tr>
<td>톱스(tops)</td>
<td>-가 있는 열굴</td>
</tr>
<tr>
<td>투스(thus)</td>
<td>틱</td>
</tr>
<tr>
<td>니쿠스(nychus)</td>
<td>발톱</td>
</tr>
<tr>
<td>오돈(odon)</td>
<td>이빨</td>
</tr>
<tr>
<td>모노(mono)</td>
<td>하나</td>
</tr>
<tr>
<td>디(di)</td>
<td>둘</td>
</tr>
<tr>
<td>트리(tri)</td>
<td>셋</td>
</tr>
<tr>
<td>파키(pachy)</td>
<td>두꺼운</td>
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