





Environment

Environmental enrichment involves making changes to an animal's enclosure which allows them to express their natural behaviours e.g. exploration, hunting, foraging, climbing.

We want to:

- Use technology to help us recreate aspects of their natural environment.
- Use technology to make their environment more interesting.



Dietary

Dietary enrichment is used to feed animals in ways they find fun or challenging. These activities can be used during an animal's feeding time or as an additional activity to keep them entertained throughout the day.

We want to:

- Use technology to present new and unfamiliar ways of delivering food for the animal to discover. For example, to make it a challenge for animals to access their food.

- Use technology to present food in the way an animal would find it in the wild.



Play Enrichment

Animals learn and practice mental and physical skills during game play. Sometimes they play with other animals in their family, but they may also play on their own using objects. Depending on the species, this can include - hunting, fighting, foraging, using tools.

We want to:

- Create technology and equipment for the animal to discover or play with using their natural abilities.
- Use technology to promote play behaviours between family members.



Sensory

Sensory enrichment involves stimulating the animal's senses: visual, hearing, touch, taste, and smell. Sensory enrichment encourages animals to promote natural behaviors like exploration, scent marking, licking, and rolling.

We want to:

- **Use technology to stimulate animal senses in similar ways to the wild.**
- **Use technology to stimulate animal senses in new ways. For example, are there new objects, images, or sounds to make the animal curious.**



Social

Social enrichment is when we make changes to an animal's enclosure to encourage them to spend more (or less) time with other animals and humans.

We want to:

- **Create technology to encourage bonding between animals within the same enclosure.**
- **Explore how technology can encourage relationships between animals in different enclosures.**
- **Use technology to help animals communicate with their keepers.**
- **Use technology to help animals communicate with human zoo visitors.**