

DT

Year 1 2025-2026

Autumn 1

Making a Penguin Enclosure

Session 1

Key Question: How can we join materials?

In DT, we learn about products- why we make something, who it is for and how we do it. In this unit, we're looking at the story "Lost and Found" by Oliver Jeffers, and wondering how we can keep our penguin friend safe.

We looked at existing penguin enclosures and created some design goals for our product.

- ice
- fence
- bed
- water
-

Our project is to design, make and evaluate a

enclosure for penguin for him to have a home
(product) (user) (purpose)

We then explored different joining techniques that we could use in building our own penguin enclosures.







Designing

Session 2

Key Question: Can we explain what we are going to make?

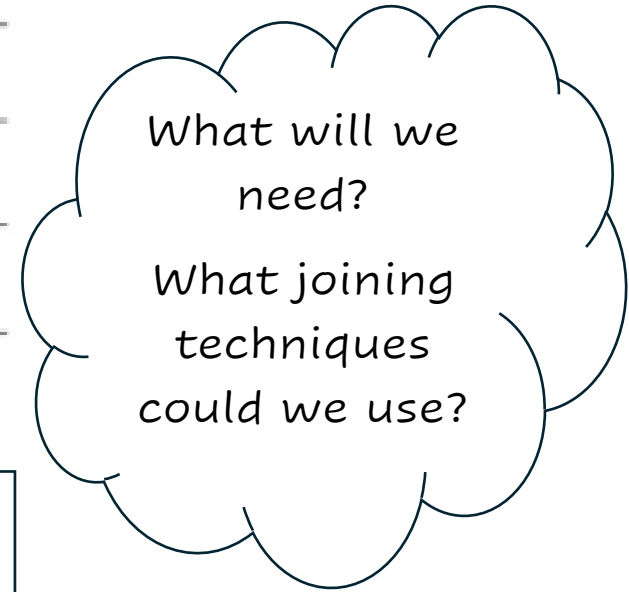
What did we agree that we need to include in our penguin enclosures?

ice
fence
bed

Water

How can we design enclosures?

Guided Teach model:



What will I need?



(Children's designs)

24.10.25 What does my penguin enclosure need, and how will I make it?

My Penguin Enclosure Plan

My Design



glue
scissors
sellotape

What do I need?

- lights
- fishes
- rocks
- water
- plants
- bed

24.10.25 What does my penguin enclosure need, and how will I make it?

My Penguin Enclosure Plan

My Design



What do I need?

lollysticks

glue

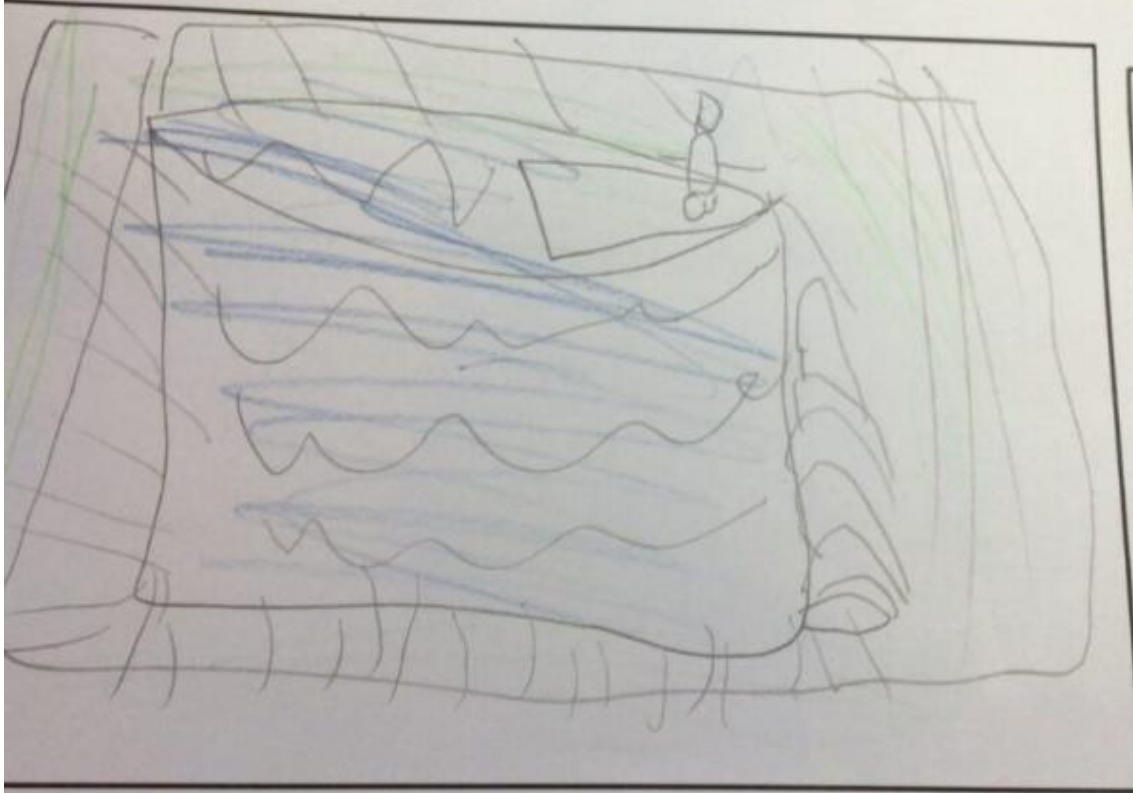
plasticine

"to help it attach together"

24.10.25 What does my penguin enclosure need, and how will I make it?

My Penguin Enclosure Plan

My Design



What do I need?

- water
- rocks
- wood
- glue
- work in paper
- _____

Making

Sessions 3 and 4

Key Question: Can we create a penguin enclosure? Will we use our plans or change things as we go?

We recalled some techniques and we created our mock up for a penguin enclosure!







Evaluating

Session 5

Key Question: Does your mock up meet the design criteria?

We evaluated our designs against the design criteria.

24.10.25

Session 5 - Evaluation

Does my penguin enclosure fit the design criteria?

Does my penguin have a place to...

Rest?   

Play?   

Drink or eat?   

Swim?   

Are there...

Walls?   

What might you improve next time? T Scribe.

ERICH

24.10.25

Session 5 - Evaluation

Does my penguin enclosure fit the design criteria?

Does my penguin have a place to...

Rest?

Play?

Drink or eat?

Swim?

Are there...

Walls?

What might you improve next time? T Scribe.

"make walls"

Bradley

24.10.25

Session 5 - Evaluation

Does my penguin enclosure fit the design criteria?

Does my penguin have a place to...

Rest?

Play?

Drink or eat?

Swim?

Are there...

Walls?

What might you improve next time? T Scribe.

"Make Steps."

Lorenzo

24.10.25




Session 5 - Evaluation



Does my penguin enclosure fit the design criteria?

Does my penguin have a place to...

Rest?   

Play?   

Drink or eat?   

Swim?   

Are there...

Walls?   

What might you improve next time? T Scribe.

"do walls and somewhere to swim!"