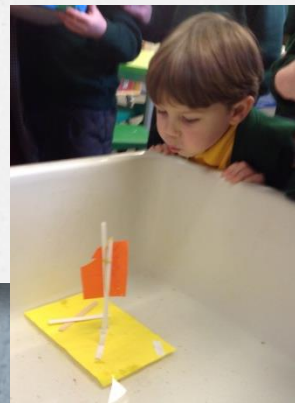




FLOOR BOOKS



Purpose:

- To record children's learning through each stage of a process (the "learning journey")
- To record the "iterative process" as design problems are solved
thought → action → further thought → action...
- To track developments in children's ideas and conceptual understanding
- To promote learning through practical group work, discussion, questioning and investigating

How it works:

The contributions from all children would be kept in one class book. The work would show each stage of a project.

- Identifying a need
- Evaluating existing products
- Exploring how products are used in the wider world
- Research: inventors, ground-breaking inventions, questionnaires & interviews
- The design process: user, purpose, how will it work?
- Selecting and using tools appropriately
- Ongoing evaluation

Because the work is kept in one book, it is easier to refer back and track the learning journey with the children. The emphasis is on practical investigation, evaluation, group work and discussion.

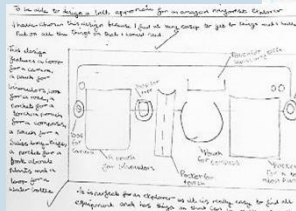
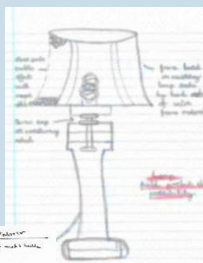
What is included:

There should be evidence from all stages of the process.

photographs



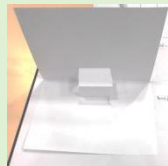
Annotated pictures, drawings & diagrams



Evidence of research



Mock-ups and templates (including mistakes!)



Design criteria

Comments and ideas



Questions & hypotheses



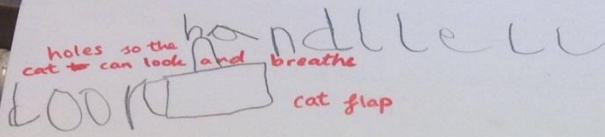
Ideas boards



Exploded diagrams with explanations



What do we know about pet carriers?



They can't get out of a cage - Isabel.

You close them up. - Jasper

They have a lock to stop the cat or dog getting out. - Thomas

You can carry them with a handle. - Jacob

You can shut them. - Verity

The handle

- Made of:
- plastic
- wood
- hay
- brick
- blanket
- cotton wool
- cushion

They have a door lock on door.

Made from wood and plastic. - Megan

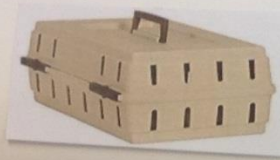
What do you know about car carriers?

Plastic if water on glass
- Errol

Needs to be waterproof



Need some cushion to make it cozy and safe.



plastic

Thick and hard so cats can't get out.
-Thomas



Existing Products

What can you tell me about these products?
Keep thinking about what our products will need to be like.

FISH



You need to check the size.
Cats need a medium carrier.

Jasper has one like this for his dog.

Mog could see out of this one.



NO DOGS

Mog would jump out of this one.

~~scribble~~ Tor false



Success Criteria

What must our pet carriers be like?

It must lock.

It needs a door.

It must be the right size.

It needs a blanket to be cosy and soft and warm.

It needs a handle that does not fall off.

It needs to be strong.

It needs to be waterproof.

We need a
handle.

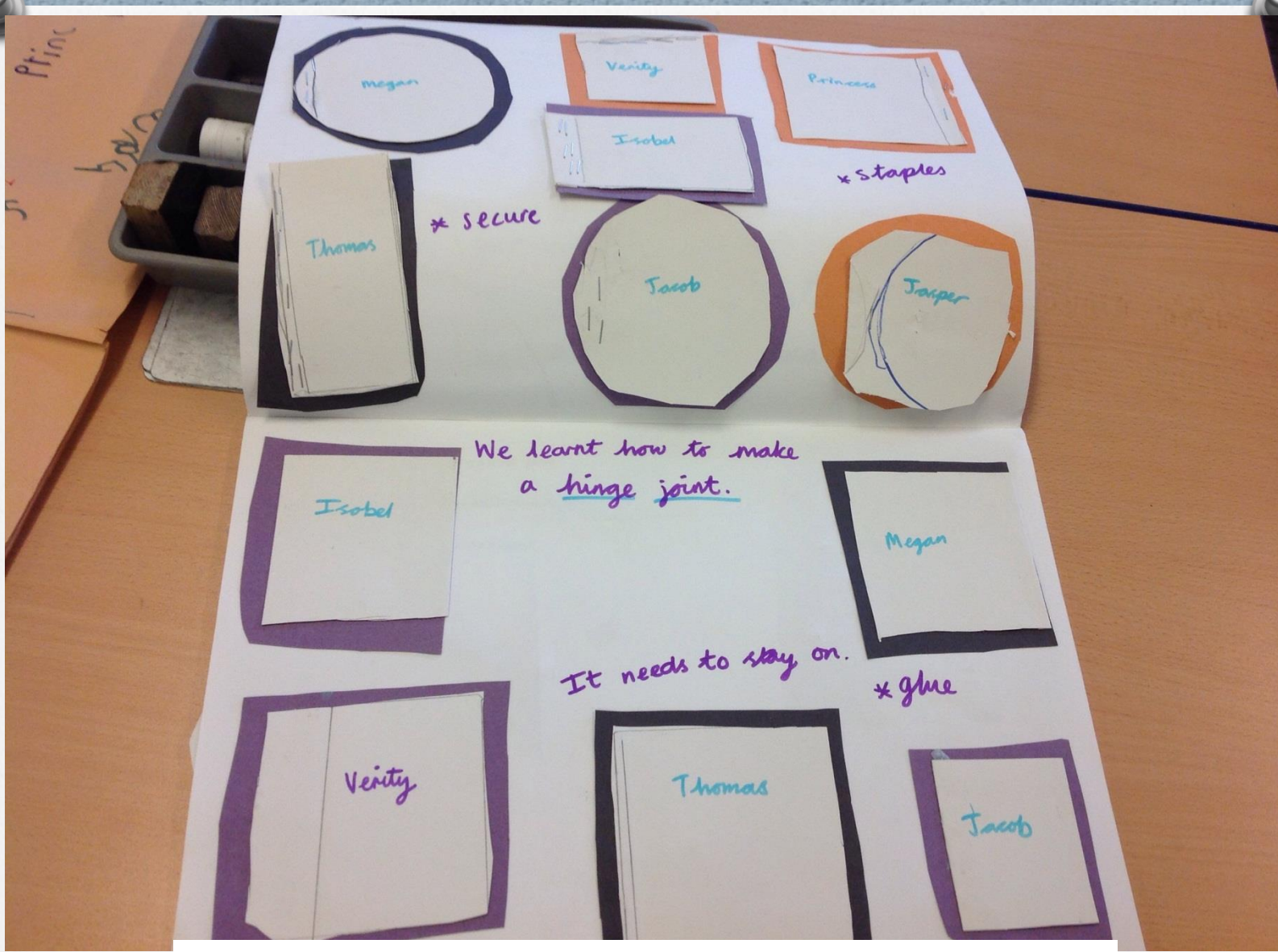
blanket
lock
soft
door
handle
izzy

It needs
to be waterproof.

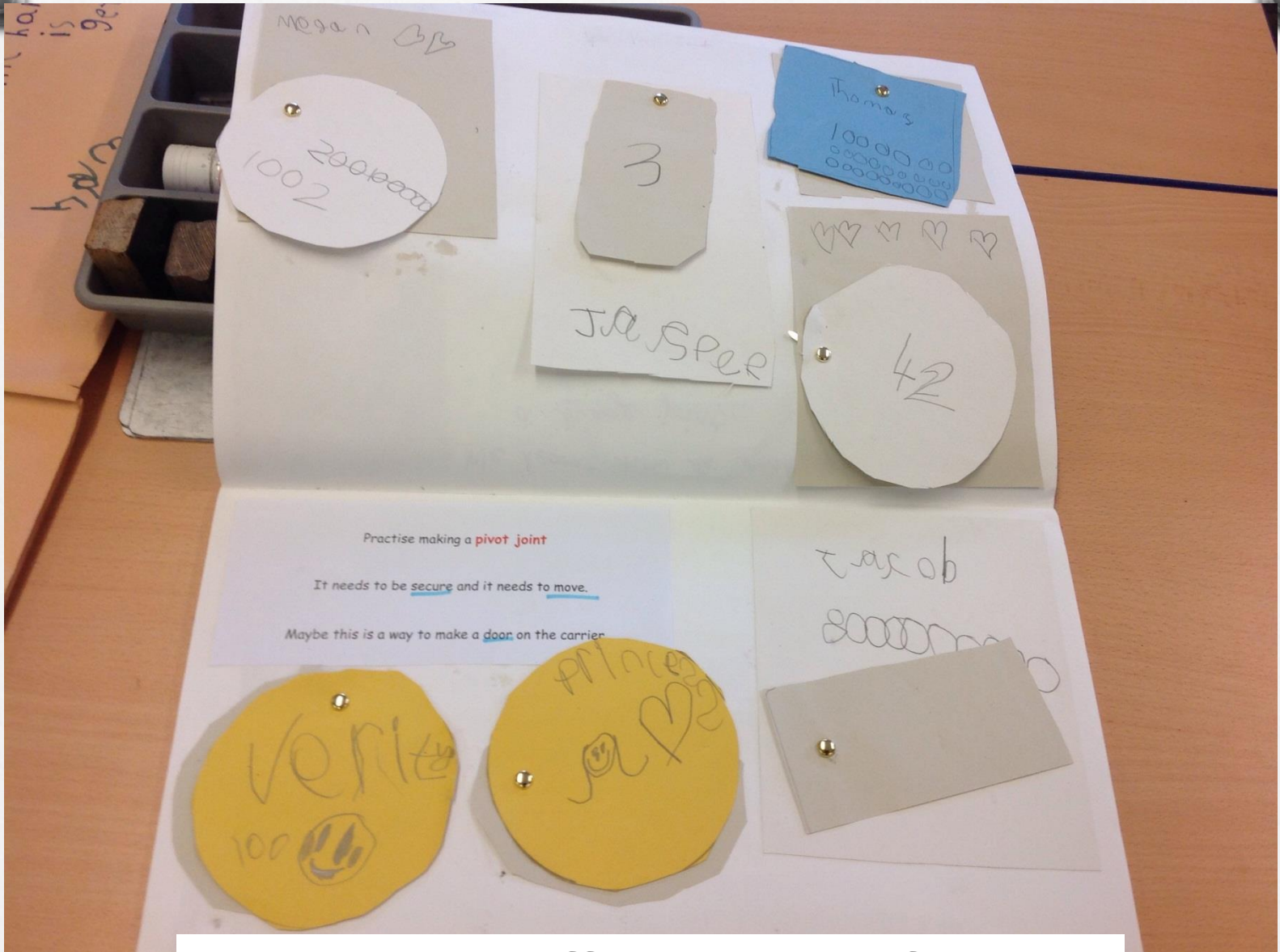
We need a door.

There is a handle
to

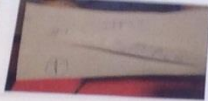
Design Criteria



Investigating Different Ways of Joining



Investigating Different Ways of Joining



We know our **handles** need to be **strong and secure** so that the carrier can be picked up safely.

How can we make the handle stronger?

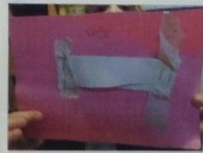
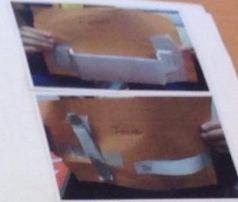
How can we make sure it won't fall off?



"Fold it to make it stronger."

"Use the stapler."

"Use the tape."



We talked about how to **lock** our carriers.

Maybe we could use string or a rope.

We have practised **tying knots**.



Which joint should we use?

Thomas and Jasper

Now let's make our final decisions for what we will use to make our pet carrier.

Thomas and Jasper
Inside ~~my~~ pet carrier we will use:
Sumplastic

because it is waterproof

For the handle we will use:

we use ~~staples~~
folded paper

For the door we will use:

Sumplastic
up
Sumplastic

Isobel and Megan

Isobel and Megan
to

Inside ~~my~~ pet carrier we will use:

Plastic

waterproof

For the handle we will use:

staples
because they are

For the door we will use:

staples
of

Jacob
Jacob Princess

Jacob and Princess

Inside ~~my~~ pet carrier we will use:
plastic because it is

Added holes for the pet to breathe.

waterproof

For the handle we will use:

staples and folded paper

For the door we will use:

Designing: choosing materials & methods

- ...to use a group-up about our products.
- Does the pet carrier match our success criteria?
 - What do you like about your carrier?
 - Is there anything you don't like about your carrier?
 - Did you have to make any changes?

Verity worked with Ruby so her evaluation is in the Robin's book

Jacob + Princess.

- The carrier is really strong.
- We didn't need to change anything.
- Our handle is super strong.
- Jacob likes the air holes so Mog can breath.



- It locks with a bow.
- It has a door.
- Princess likes it.

- It has a yellow blanket.
- Our carrier works well.

- It is a little bit small.
- Jacob doesn't like that the bow for the lock keeps coming off.
- The bottom is waterproof.

Evaluating

Isobel likes the size of the box. "I had to cut it down a bit".

Yes, Mog fits.

Megan didn't like the sticky bits.

Our handle is really stiff.

Thomas + Jasper

Thomas likes that they used tape and staples because it makes it strong.

The door is a bit small.

It has a handle.

We didn't have to change anything.

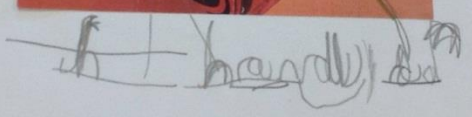
It has a door.

The handle is strong.



Jasper says it is really stable.

It has a blanket.



Thomas says the base keeps falling out.

It doesn't have a lock.

We put plastic in the bottom to be waterproof.

It needs tape and a lock. We ran out of time.

Evaluating



We found the ees pictrs in the compoot room.



we bilt a masing Casue

we bilt a masing Casue with one base.



Why do castles have a drawbridge?

Why do castles have a drawbridge?

Answer: The drawbridge is to protect the castle.
Question: If the bad guys come they put the drawbridge up if it is safe they put it down.
Sally: If the drawbridge is up bad people can't get in is it a draw gate please can I get in?
Sara: In the bookies don't get in.

Charlotte, Olivia, Josh, Andrew, Yasmine, Sofia
In our group we spoke about our current obsession of Jack and the beanstalk. We had lots of questions we wanted to find out!
Yasmine: How does a beanstalk?
Andrew: Why do castles have a drawbridge?
Josh: How small are beaks?
Yasmine: Why does a castle have a pointy cone on top of the tower?
Sofia: Does a castle have clouds?
As a group we chose to work on Andrew's question.

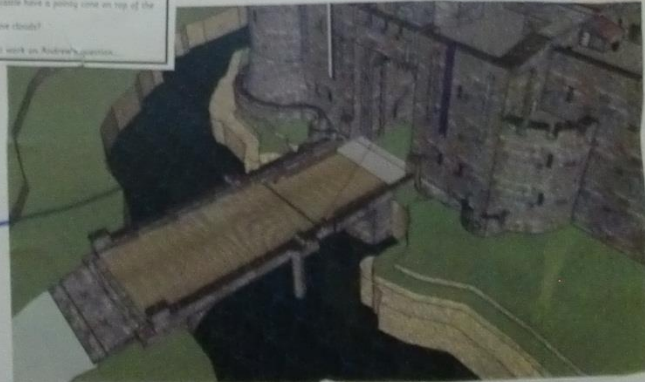
So dangerous hot cone

Tutur

2000000

This is the moat.

water



draw

Do all castles have the same?

George

No

Look at China, America, Japan, Africa, Europe!
In our group we spoke about our current sources of food and the benefits. We had lots of questions we wanted to find out!
Amelie: Do you have to give birds water everything to grow?
Tony: Are all birds the same size?
Alfie: What different types of castles are there? Do all castles look the same?
George: How long have castles been there for?
As a group we chose to work on Alfie's question...



JAPANESE



castles

What different types of castles are there?

cinderella's castle

We went on a treasure hunt!



In Buckingham Palace

but this castle is next door....

castles

Amelie

Walls

stick (Mary B)

wooden

Alfie



Amelie



Tony