PURPOSE: To have the children;

- COMPARE 3D BOX and NOTICING MAT
- Find the CORNERS on the Noticing Mat
- Find INSIDE and OUTSIDE of Noticing Mat

#### MATERIALS: Noticing Mat

Wool - runs from corner to corner on Noticing Mat Chart paper with full page of printing [top to bottom] Large picture or poster or painting and/or "I Spy" book Little Jack Horner printed on Bristol board or blackboard [leaving a large space between words / lines] 2 familiar boxes [one tall, one wide] and a paper [8  $\frac{1}{2} \times 11$ ]

#### STRATEGIES: KNOWN TO UNKNOWN, NOTICING AND LANGUAGE

**MATH LINK**: Some children do not reproduce numbers accurately when given a model.

Some children have difficulty initiating sentences and responding using sentences.

**LITERACY LINK:** Some children do not reproduce letters accurately when given a model.

Some children have difficulty initiating sentences and responding using sentences.

#### EXPECTATION:

**SS&G:** Use language accurately to describe basic spatial relationships.

#### KNOWN TO UNKNOWN, NOTICING AND LANGUAGE: CORNERS

Place the  $5 \times 6$  foot Noticing Mat on the floor with children looking up from the bottom edge.

Have <u>2 familiar boxes</u> [one <u>tall</u>, <u>one wide</u>] and a <u>paper</u> [8  $\frac{1}{2}$  x 11] ready to use.



#### KNOWN TO UNKNOWN, NOTICING & LANGUAGE: CORNERS, EDGES

How many edges are there on the top of the box? [4]

Let's count them. [1, 2, 3, 4]

We have 4 <u>edges</u> at the <u>top</u>.

[TILT bottom of box toward children.]

How many corners are there on the bottom of the box? [4]

Let's count them. [1, 2, 3, 4]

We have 4 <u>corners</u> at the <u>bottom</u>.

How many edges are there at the bottom? [4]

Let's count them. [1, 2, 3, 4]

We have 4 <u>edge</u>s at the <u>bottom</u>.

Put on your Noticing Glasses and look carefully at the box.

I'm going to make our box look more like our paper.

[TURN YOUR BACK to children as you <u>fold</u> the <u>flaps in</u> and <u>flatten</u> box.]

[TURN to face the children and hold up flattened box.]

Does our box look more like our paper now? [HOLD UP the paper and flattened box.]

How many corners do we have altogether? [4]

I'd like someone to count them. [CHOOSE someone.]

#### KNOWN TO UNKNOWN, NOTICING & LANGUAGE: CORNERS, EDGES



Children <u>tend</u> to give <u>descriptive language</u> about the <u>size</u>, <u>texture</u>, <u>colour</u> and <u>shape</u> particularly if they haven't done the unit on 3D structure of a box.

POINT to the corners.]

What can you tell me about these? [points, bends, corners etc.]

NOTICING AND LANGUAGE: CORNERS



NOTICING AND LANGUAGE: CORNERS

#### LITERACY LINK:

Children need to know <u>where to start reading and writing.</u> Show a <u>chart paper</u> with a <u>FULL page of print</u>.

If you were reading this page, where would you start reading? [top left] We start reading here, [POINT] so we can call this the Starting Corner.



NOTICING AND LANGUAGE: CORNERS

If we had words that filled the mat, like the page of the book, where would we stop reading? [bottom right corner]

We stop reading here, [POINT] so we can <u>call</u> this the <u>Stopping Corner</u>.



[LAY <u>mat</u> back down <u>on</u> the <u>floor</u>.]

This is the <u>Starting Corner</u> [POINT] and this is the <u>Stopping Corner</u>. [POINT]

[LAY a piece of <u>wool</u> <u>diagonally</u> from the Starting Corner to the Stopping Corner.]



[POINT to the Top Corner.]

Here is another corner at the top, so we can call it the Top Corner.

[POINT to the Bottom Corner.]

Here is another corner at the <u>bottom</u>, so we can call it the <u>Bottom Corner</u>.

We call the other two corners, the Top and Bottom Corners.



Top Corner

Say the names as I point to them. Again. Again.

#### NOTICING AND LANGUAGE, AUTOMATICITY

Have the children **<u>guickly</u>** take turns doing the following:

- Stand in the Starting Corner, then clap and say "Starting Corner."
- Children may use <u>different voices</u> and <u>actions</u> as they move <u>from</u> <u>Starting to Stopping Corner</u>
- When they <u>reach</u> the <u>Stopping Corner</u>, they <u>clap</u> and <u>say "Stopping</u> <u>Corner</u>" before stepping off the mat.

# KNOWN TO UNKNOWN: INSIDE, OUTSIDE

Show a box [not flattened] and the Noticing Mat.



#### LESSON 2 A

#### STRUCTURE OF A 2D BOX

#### KNOWN TO UNKNOWN: INSIDE, OUTSIDE

[PUT hand outside the box.]



I can have my <u>hand outside</u> the <u>box</u>, like this.

We can be inside our box shape on the Noticing Mat too.

Where would we stand if we were <u>outside</u> the box made by our Noticing Mat? [CHOOSE child.]

When we are <u>off</u> the <u>Noticing Mat</u> we are <u>outside</u> the box.

I want some of you to <u>come</u> to the <u>bottom</u> of our Noticing Mat.

[DEMONSTRATE the following:]

I want you to <u>move</u> where I tell you when I say <u>inside</u>, <u>outside</u>, <u>on</u> or <u>off</u>.

[CHOOSE 4 children.]

**Ready?** inside, off, on, outside, on, inside, outside, off, [around] [PRETEND it is a <u>pool</u>. Children jump in and out, then go around the pool.

#### APPLICATION:

- Look around the room for other flat Starting and Stopping Corners.
- In the gym, or on the playground, look for <u>other boxes</u> and walk <u>from</u> the <u>Starting Corner to the Stopping Corner</u>.
- Have the children move inside and outside boxes in the gym or on playground.

#### LITERACY LINK

#### Children need to know that we usually start reading in the top left corner. [Starting Corner]

- Show a large picture, poster, and/or painting and/or an I Spy book.
- Have the children <u>describe</u> <u>what</u> they see <u>in</u> the <u>Starting Corner</u> first, then the <u>Stopping Corner</u>.
- Have children see if they can <u>close their eyes</u> and still see the picture.
- Have the children **point** to the <u>Starting</u> and <u>Stopping Corners</u> as you read a Nursery Rhyme or share a <u>big book</u>.

#### NURSERY RHYME [CORNER]

# Children learn to read by seeing the same words frequently in a meaningful context.

On a large piece of Bristol board or on the board print the nursery rhyme: Little Jack Horner leaving <u>large spaces</u> <u>between words</u> and <u>lines</u>.

Choose a girl or boy to play Jack as children say the rhyme.

- When Jack is in the corner, talk about which corner Jack has chosen.
- After the word **said**, the child on the mat says:

"What a good [boy] [girl] am I."

- <u>Repeat</u> the above with <u>different children</u>.
- Use the word frames to locate words in the rhyme on Bristol board.

#### **BIG BOOK**

Make a diagram showing the box and naming the corners.





**PURPOSE**: To have the children;

- Find the TOP and STARTING CORNERS when the NOTICING MAT is turned in the VERTICAL and HORIZONTAL positions
- Find the EDGES of the Noticing Mat

# MATERIALS: 2 Pieces wool running from corner to corner [diagonally] on Noticing Mat

Pictures [may be drawn] of things with edges [balcony, deck, cliff, step, roof, knife etc.]

2 Boxes [one wide, one tall]

2 Books about same shape but tops in different places

2 Papers [8  $\frac{1}{2}$  x 11 inches]

Small black marker for printing and drawing on papers

#### STRATEGIES: NOTICING AND LANGUAGE

**MATH LINK**: Some children do not reproduce numbers accurately when given a model.

**LITERACY LINK:** Some children do not reproduce letters accurately when given a model.

#### EXPECTATION:

**SS&G:** Use language accurately to describe basic spatial relationships.

**REVIEW:** Lay the <u>Noticing Mat on the floor</u>, and review the names of the corners of the mat by asking for the names as you join the corners with <u>wool</u>. [REMOVE wool.]

#### LITERACY LINK: KNOWN TO UNKNOWN: STARTING CORNER



#### LITERACY LINK: KNOWN TO UNKNOWN: STARTING CORNER

Bring out <u>2 books</u> about the <u>same shape</u>, but tops are in <u>different places</u>.





# LITERACY LINK: KNOWN TO UNKNOWN: STARTING CORNER

[TURN a paper to the horizontal position.]	
I want my paper turned this way, so my <u>Starti</u> at the top. [PRINT a sentence, then, <u>draw</u> a picture.]	ng Corner will be <u>this corner</u> Here is a tree.
I <u>started</u> at the <u>top on both papers</u> . Let's look at our <u>Noticing Mat</u> again.	
If the mat is turned the way it is now, where is the top?	
Where is the Starting Corner?	
[TURN the mat to the <u>horizontal</u> position.]	
If I turn it the other way, where is the top?	
Where is the Starting Corner?	

#### NOTICING AND LANGUAGE: EDGES

[PLACE WOOL FROM Starting and Stopping Corners, then, Top and Bottom Corners or put an object on each corner to make edges easier to see.]



#### Where else can we find edges? [You may have pictures of; box, balcony, deck, cliff, step, roof, knife etc.]

When we are standing on the edge we must be careful not to step off.

<u>I</u> am going to ask <u>some</u> of you to <u>show</u> us <u>how you would walk</u> if you wanted to <u>stay on the edge</u> without falling off.

[CHILDREN (at least 4) walk <u>as if balancing on a tight rope.]</u>



We are going to take turns moving around the edges of the mat.

#### NOTICING AND LANGUAGE: EDGES

When you are on the **edges**, I want you to put your <u>arms out</u> to keep your <u>balance</u>, to show that you are <u>on the edge</u>. [DEMONSTRATE.]

When you come to a **corner**, I want you to <u>stop</u> and <u>touch</u> the corner of the mat. [DEMONSTRATE.]



[HAVE groups of 4 walk quickly around the outside of the mat, balancing on edges and touching corners.]

[CHILDREN move in different ways on edges.; dance, jump, wiggle etc.]

#### LITERACY LINK:

BIG BOOK: Draw a box and label the edges.

