WINTER ▶ STEM Bins
TEAMBUILDERS

SNOWBALL FIGHT

Can you create a catapult to launch a snowball (linking cube)?

How many mini cups can you knock down when you launch the snowball?

SNOWFLAKE SHAPES

Can you create snowflakes designs out of pattern blocks?

Can you make your snowflakes with 6 main branches?

Can you make your snowflakes SYMMETRICAL?

FESTIVE FOREST

Can you create a forest of trees?

Can you make a pyramid-shaped tree with a triangular base?

Can you make a pyramid-shaped tree with a square base?

PENGUIN PLAYGROUND

Can you create a habitat for penguins to live and play?

What features of your habitat will help penguins survive?

What features can penguins play on?

CANDY COTTAGE

Can you build a house for the gingerbread family?

How many rooms can you make?

How many members of the gingerbread family fit in your house?

COZY CRITTERS

Can you create a den for the animals to keep them warm in cold weather and safe from predators?

How many animals will fit in your shelter?

8 LOW PREP WINTER CHALLENGES

SNOWFLAKE SHAPES

COZY CRITTERS

FESTIVE FOREST

SNOWBALL FIGHT

GIVE A GIFT
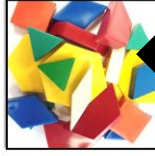

PENGUIN PLAYGROUND

CANDY COTTAGE

SNOW FRIENDS
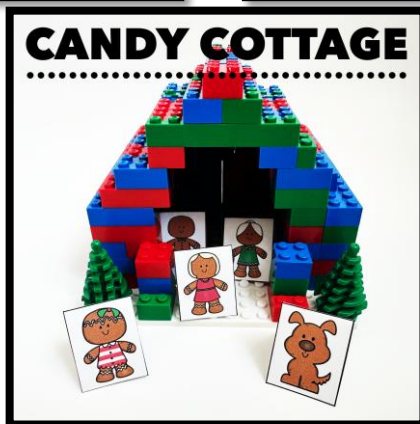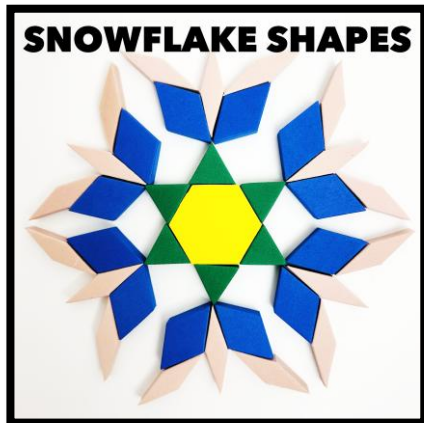
8 SIMPLE WINTER CHALLENGES

SNOWFLAKE SHAPES
Can you create snowflake designs out of pattern blocks?

Can you make your snowflakes with 6 main branches?

Can you make your snowflakes SYMMETRICAL?

SNOWFLAKE SHAPES
YOU NEED:
- pattern blocks

SNOWFLAKES →

CANDY COTTAGE
Can you build a house for the gingerbread family?

How many rooms can you make?

How many members of the gingerbread family fit in your house?
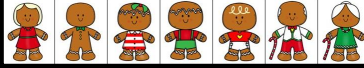
CANDY COTTAGE
YOU NEED:
- building bricks
- paper gingerbread family

LEGO GINGERBREAD HOUSE →

SNOW FRIENDS
Can you build snow people and animals out of playdough and toothpicks?

How many different snow friends can you make?

SNOWBALL FIGHT
Can you create a catapult to launch a snowball (linking cube)?

How many mini cups can you knock down when you launch

SNOWBALL FIGHT
YOU NEED:
- wooden planks
- mini cups
- linking cubes

BUILD A CATAPULT →

GIVE A GIFT
Can you create a gift box out of index cards, paper, and tape?

Can you make a bow, ribbon, or gift tag for your box?

Can you write a kind note to someone special to put inside your box?

PENGUIN PLAYGROUND
Can you create a habitat for penguins to live and play?

What features of your habitat will help penguins survive?

What features can penguins play on?

PENGUIN PLAYGROUND
YOU NEED:
- linking cubes
- paper penguins

COZY CRITTERS
Can you create a den for the animals to keep them warm in cold weather and safe from predators?

COZY CRITTERS
YOU NEED:
- base ten blocks
- paper animals

ANIMALS THAT HIBERNATE →

FESTIVE FOREST
Can you create a forest of trees?

Can you make a pyramid-shaped tree with a triangular base?

Can you make a pyramid-shaped tree with a square base?

FESTIVE FOREST
YOU NEED:
- straws
- pipe cleaners

EVERGREEN TREES →

SNOWFLAKE SHAPES NAME:
Draw your snowflakes.
Does it have 6 branches? YES NO
Does it have 6 branches? YES NO

GIVE A GIFT NAME:
Draw your gift box.
Color the shape of your box.
CUBE CYLINDER
RECTANGULAR PRISM
Who is your gift for?

COZY CRITTERS NAME:
Draw your den.
Color the animals that fit in your den.

WINTER TEAMBUILDER Reflection
NAME:
Which activity was your FAVORITE?
Which activity was EASY?
Which activity was TRICKY?

PENGUIN PLAYGROUND NAME:
Draw and label your penguin habitat.

SNOWBALL FIGHT NAME:
How many cups did you knock down in 5 throws?
1 2 3 4 5
Draw your cup tower.

SNOW FRIENDS NAME:
Draw your creations.

CANDY COTTAGE NAME:
Draw your house.
How many rooms are in your house?
How many gingerbread people and animals are in your house?

FESTIVE FOREST NAME:
Draw your trees.

WINTER STEM Bins
TEAMBUILDERS
NAME:

SNOWFLAKE SHAPES NAME:
Draw your designs.
Is it SYMMETRICAL?
Does it have 6 branches?
Is it SYMMETRICAL?
Does it have 6 branches?

COZY CRITTERS NAME:
DESIGN	NUMBER OF ANIMALS	TOTAL VALUE OF BASE TEN BLOCKS
1		
2		
Which design worked best and why?

FESTIVE FOREST NAME:
Can you make a pyramid with a triangular base?
How many?
FACES =
EDGES =
VERTICES =
Can you make a pyramid with a square base?
How many?
FACES =
EDGES =
VERTICES =
DRAW YOUR OWN TREE DESIGN:
DRAW YOUR OWN TREE DESIGN:

WINTER TEAMBUILDERS
TEAMBUILDER	FINISHED!
1. SNOWFLAKE SHAPES	
2. COZY CRITTERS	
3. FESTIVE FOREST	
4. SNOWBALL FIGHT	
5. GIVE A GIFT	
6. PENGUIN PLAYGROUND	
7. CANDY COTTAGE	
8. SNOW FRIENDS	

GIVE A GIFT NAME:
Draw your gift box design.
What special details did you add to your box?
Who are you planning to give your gift box to?

PENGUIN PLAYGROUND NAME:
HABITAT FEATURE	HOW IT HELPS PENGUINS
Draw your habitat design.

CANDY COTTAGE NAME:
Draw your house design.
How many rooms are in your house?
How many members of the gingerbread Family fit in your house?

SNOWBALL FIGHT NAME:
How many cups did you knock down in 5 launches?
1 2 3 4 5
Draw your catapult design.

SNOW FRIENDS NAME:
Draw your creations.

WINTER TEAMBUILDER Reflection NAME:
Which activity was your FAVORITE?
Why was that activity your Favorite?
Which activity was EASIEST?
Why do you think that activity was easiest?
Which activity was MOST CHALLENGING?
Why do you think that activity was most challenging?

DIFFERENTIATED RECORDING SHEETS

SNOWFLAKE SHAPES

Can you make snowflakes out of pattern blocks?

Can you make snowflakes with 6 branches?

GIVE A GIFT

Can you make a gift box out of cards, paper, and tape?

FESTIVE FOREST

Can you make a forest of trees?

SNOWBALL FIGHT

Can you build cup tower?

Can you knock down the tower with a paper snowball?

SNOW FRIENDS

Can you make snow people and animals out of playdough and toothpicks?

PENGUIN PLAYGROUND
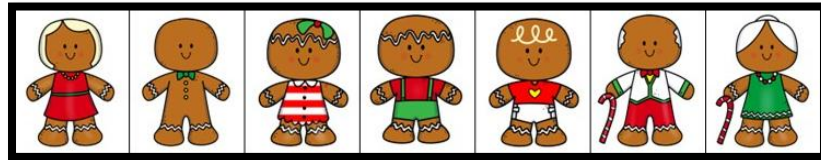
Can you make a habitat for penguins to live and play?

COZY CRITTERS

Can you make a den to keep the animals warm and safe?

CANDY COTTAGE

Can you build a house for the gingerbread family?

SIMPLIFIED K-1ST INSTRUCTIONS

GOOGLE SLIDES VERSION

CANDY COTTAGE

Can you build a house for the gingerbread family?

How many rooms can you make?

How many members of the gingerbread family fit in your house?

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PERFECT FOR INTRODUCING STATIONS OR WHOLE CLASS CHALLENGES!

SNOWFLAKE SHAPES

Can you create snowflake designs out of pattern blocks?

Can you make your snowflakes with 6 main branches?

Can you make your snowflakes SYMMETRICAL?

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