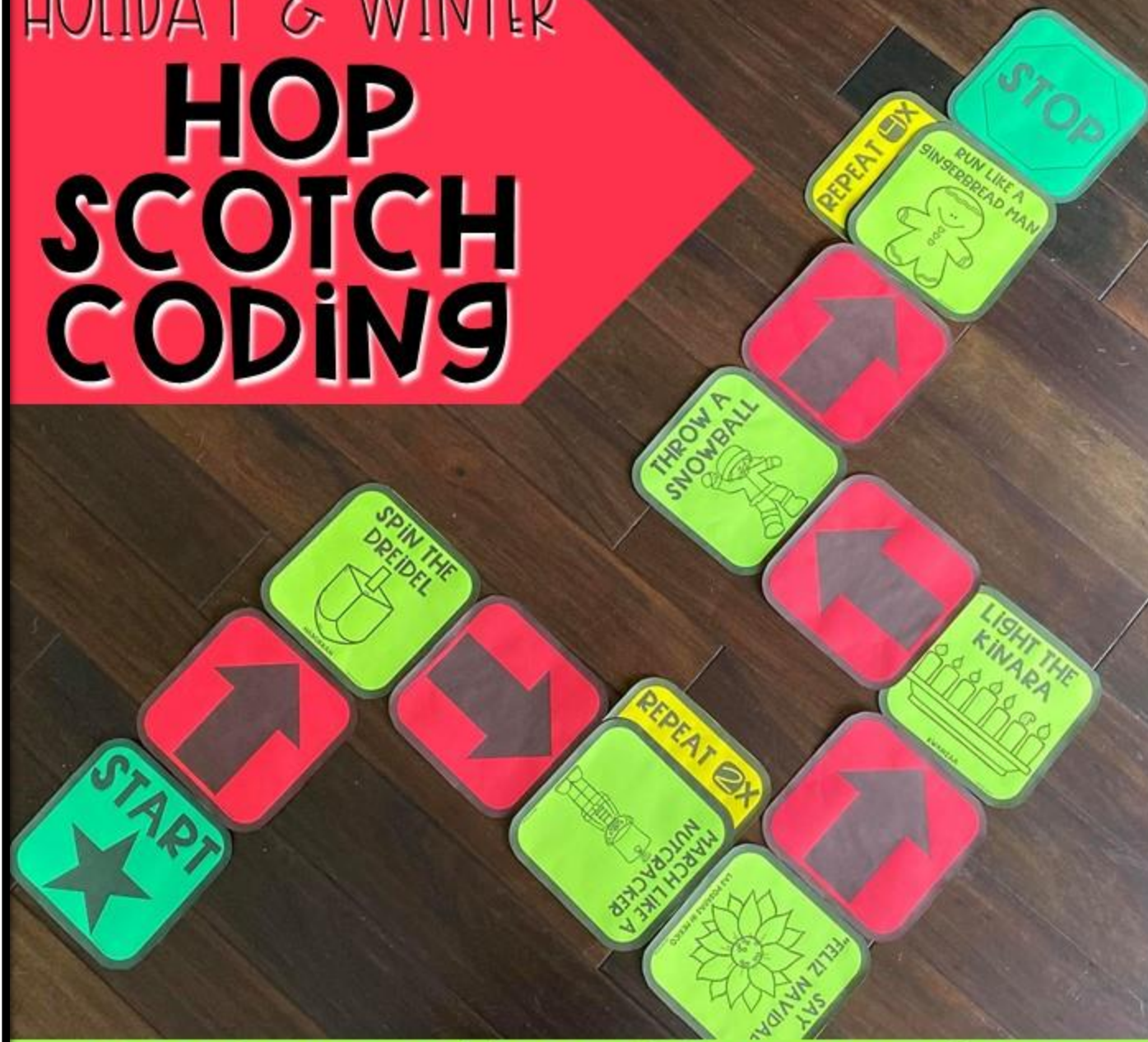


HOLIDAY & WINTER

HOP SCOTCH CODING



CREATED BY BROOKE BROWN

CONTENTS



- p. 3-4: Teacher Instructions**
- p. 5: Coding Apps and Websites poster**
- p. 6: What is coding? poster**
- p. 7: Flow control structures poster**
- p. 8: START mat**
- p. 9: STOP mat**
- p. 10: Sequencing Arrow mat**
- p. 11-13: Looping mats**
- p. 14-38: Holiday and winter Movement (conditions) mats**
- p. 39: credits**

TEACHER iNSTRUCTIONS



Holiday and Winter Hop Scotch Coding provides a simple, interactive introduction to block-style coding that is perfect for Kindergarten through third graders as they learn the basics of programming. After completing unplugged activities such as these, they can apply similar block coding strategies to coding websites and apps for kids and eventually to more advanced languages of coding. This activity works as an excellent challenge for students around winter parties or prior to Winter Break. To allow students to be most successful, please MODEL and clearly discuss directions for this activity before they complete it with groups.

To prep the Hop Scotch Coding mats, copy one set of the following for EACH GROUP of 3-4 students if you are using as a whole class. If you are using it as a center, you will only need one set. You may choose to copy on a different colored paper for each group OR color code the pieces by the type of code similar to the photo shown on the following page.

- 1 START Mat
- 1 STOP Mat
- 6 Sequencing (Arrow) Mats
- 3 different Looping Mats
- 6 different Holiday/Winter Movement (Conditions) Mats

For durability and long-term use, you will need to LAMINATE the mats because students will be stepping on them. If you have TILE on the floors in your classroom, you may choose to stick removable GLUE DOTS on the back corners of each mat to prevent them from slipping. If you have short, CARPETED floors and the mats are slipping too much, try sticking INDUSTRIAL STRENGTH VELCRO SQUARES on the back of each mat.

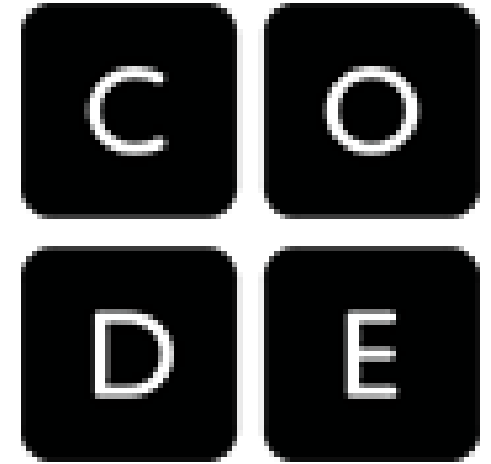
TEACHER iNSTRUCTIONS

In groups of 3-4, students will build a sequence of code on the floor together. Each student will then take turns walking through the sequence of code and following the instructions all the way from START to STOP. A sequencing arrow means to advance forward and a Holiday or Winter movement/action card signals an action that the student must do or PRETEND to do. A looping mat can be placed behind a movement mat for students to repeat the action a given number of times. See pages 6-7 to use with your students as you introduce coding vocabulary and the game.



CODING APPS & WEBSITES

KODABLE BOX ISLAND CODE.ORG



SCRATCH JR.

BEEBOT

SWIFT
PLAYGROUNDS



WHAT is CODING?

coding is the way we tell computers to do all the helpful things that they do for us. coding is what makes it possible for us to create **computer software, apps, and websites.**



computers follow a list of instructions that a coder, or **programmer**, has written.

FLOW CONTROL STRUCTURES

SEQUENCE



the order of
commands

CONDition



if, then
commands

LOOP



commands
that are
repeated

1 copy
per
student group

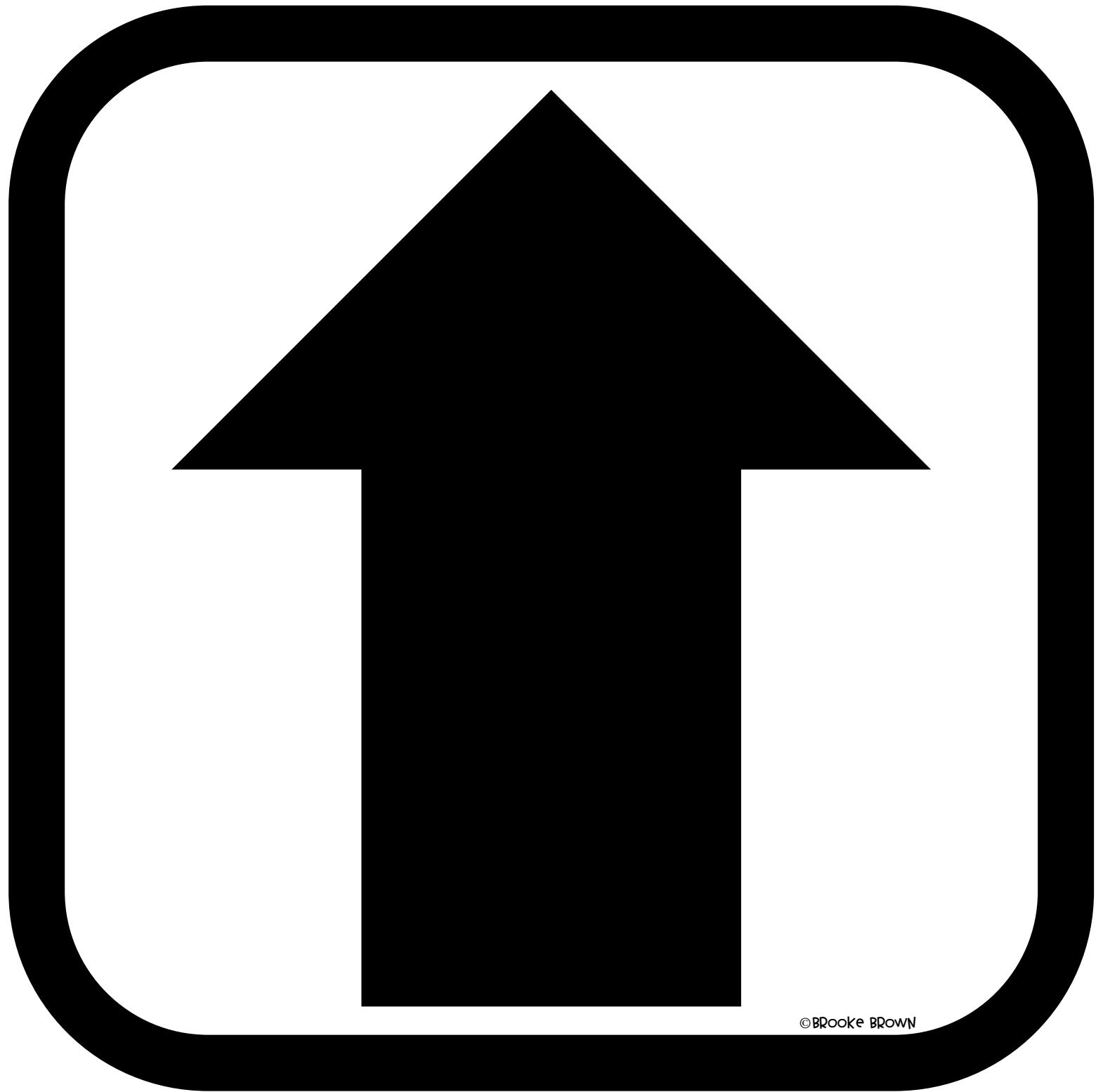


© Brooke Brown

1 copy
per
student group



6 copies
per
student group



© Brooke Brown

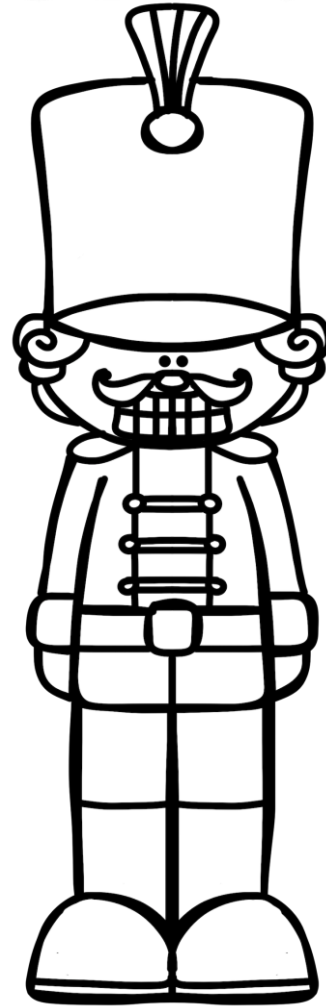
REPEAT 2X

REPEAT GOX

REPEAT OX

Choose 6 different
movement
cards per
student group

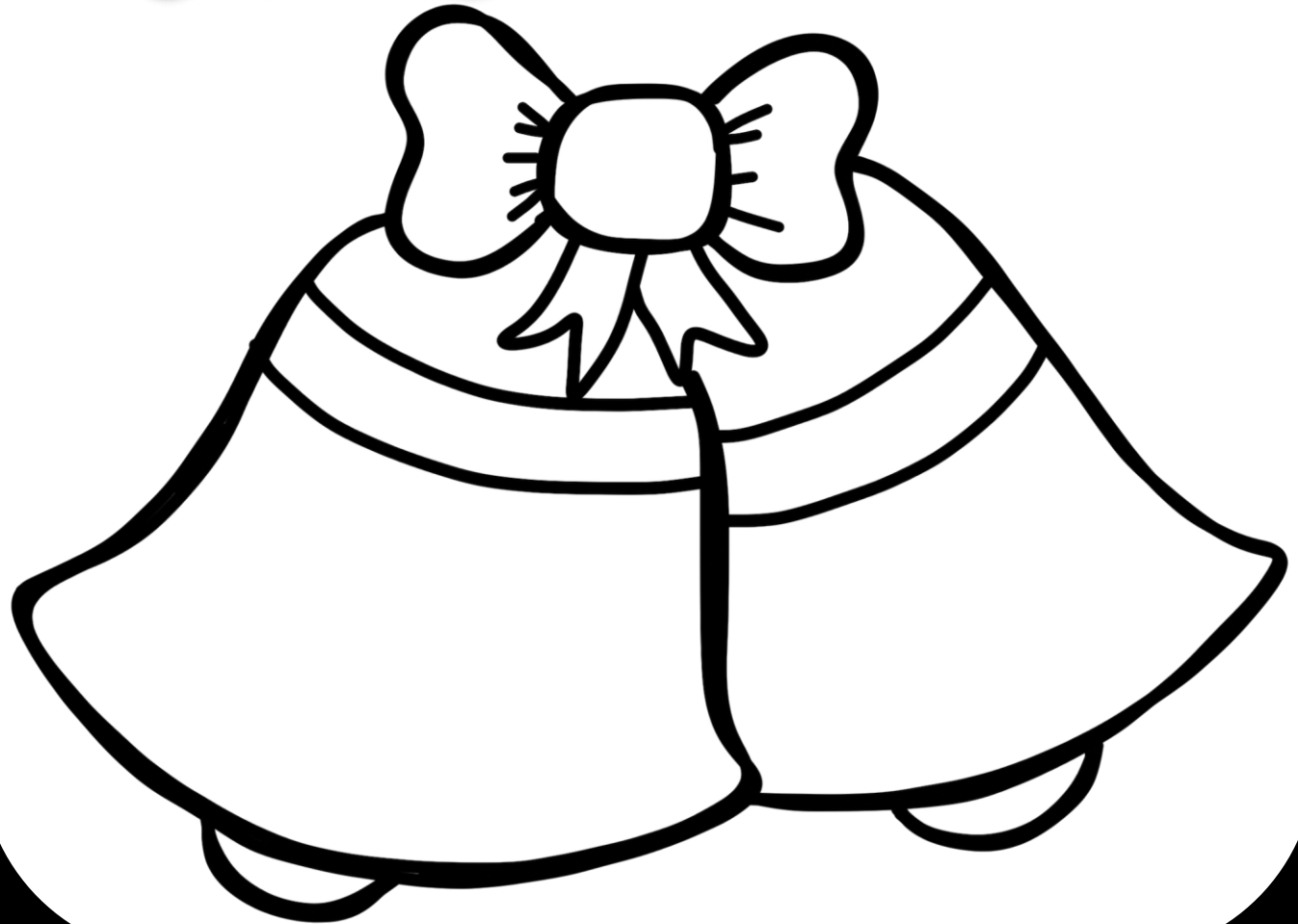
MARCH LIKE A NUTCRACKER



©BROOKE BROWN

Choose 6 different
movement
cards per
student group

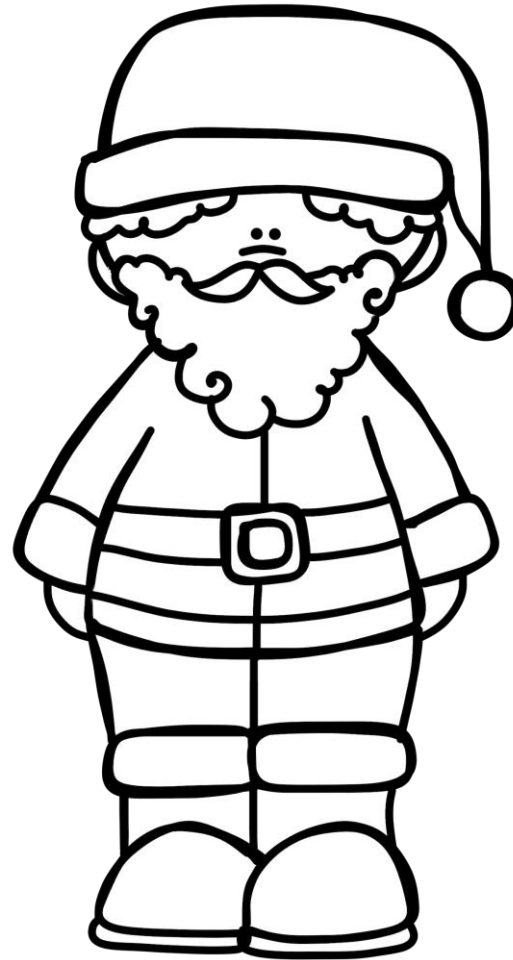
RING A JINGLE BELL



©BROOKE BROWN

Choose 6 different
movement
cards per
student group

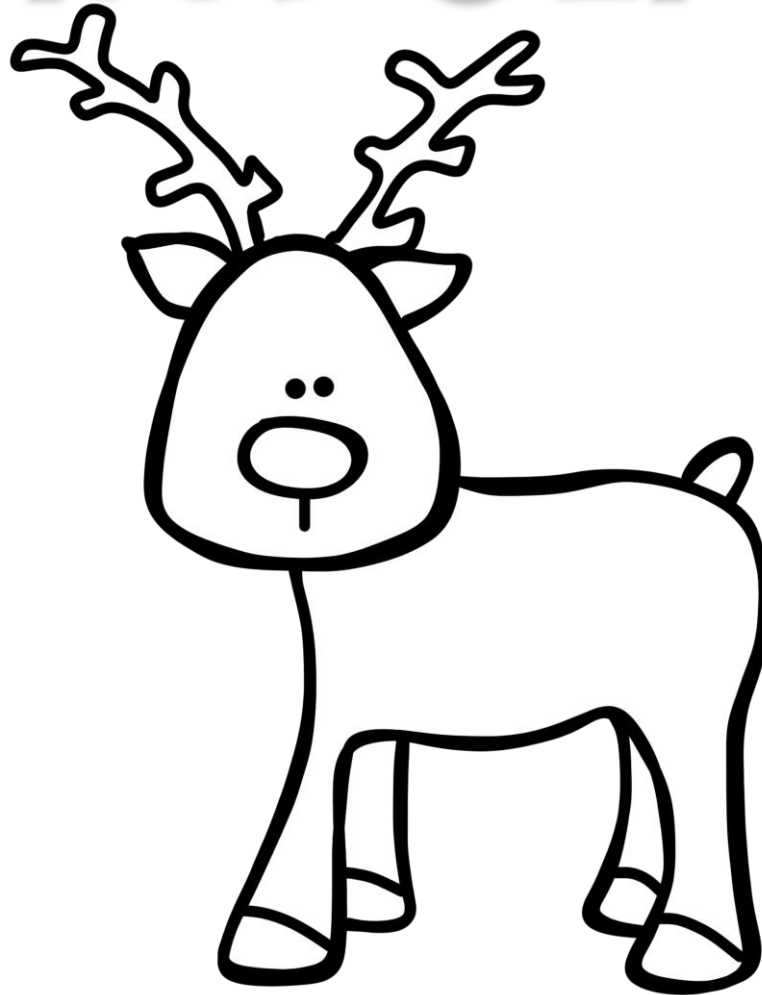
SAY
“HO! HO! HO!”



©BROOKE BROWN

Choose 6 different
movement
cards per
student group

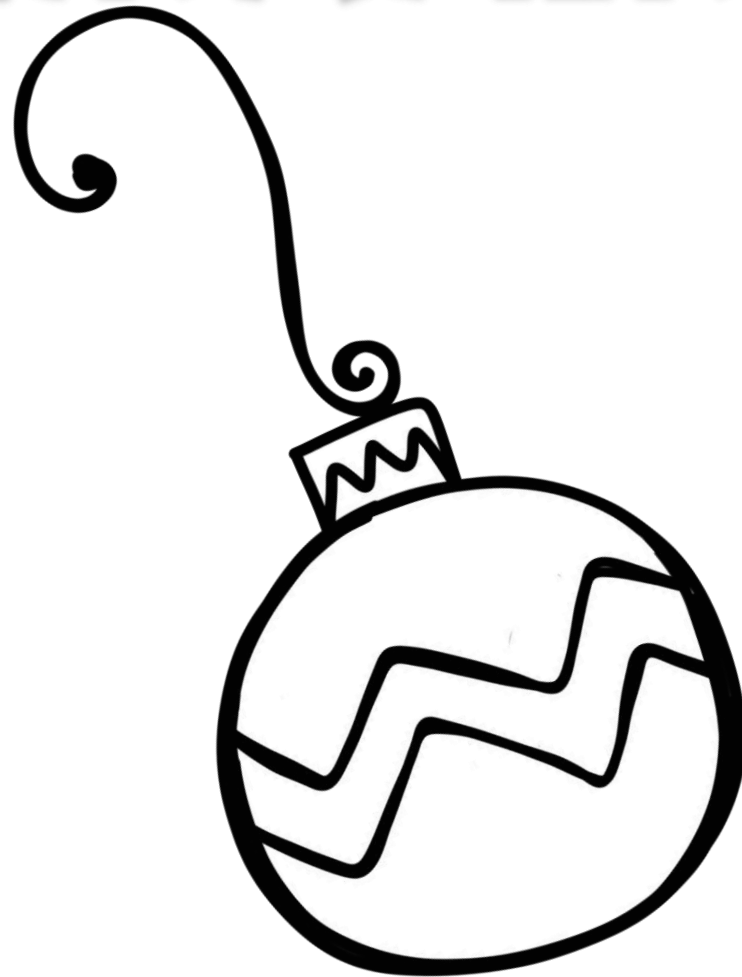
FLY LIKE RUDOLPH



©BROOKE BROWN

Choose 6 different
movement
cards per
student group

HANG THE ORNAMENTS



Choose 6 different
movement
cards per
student group

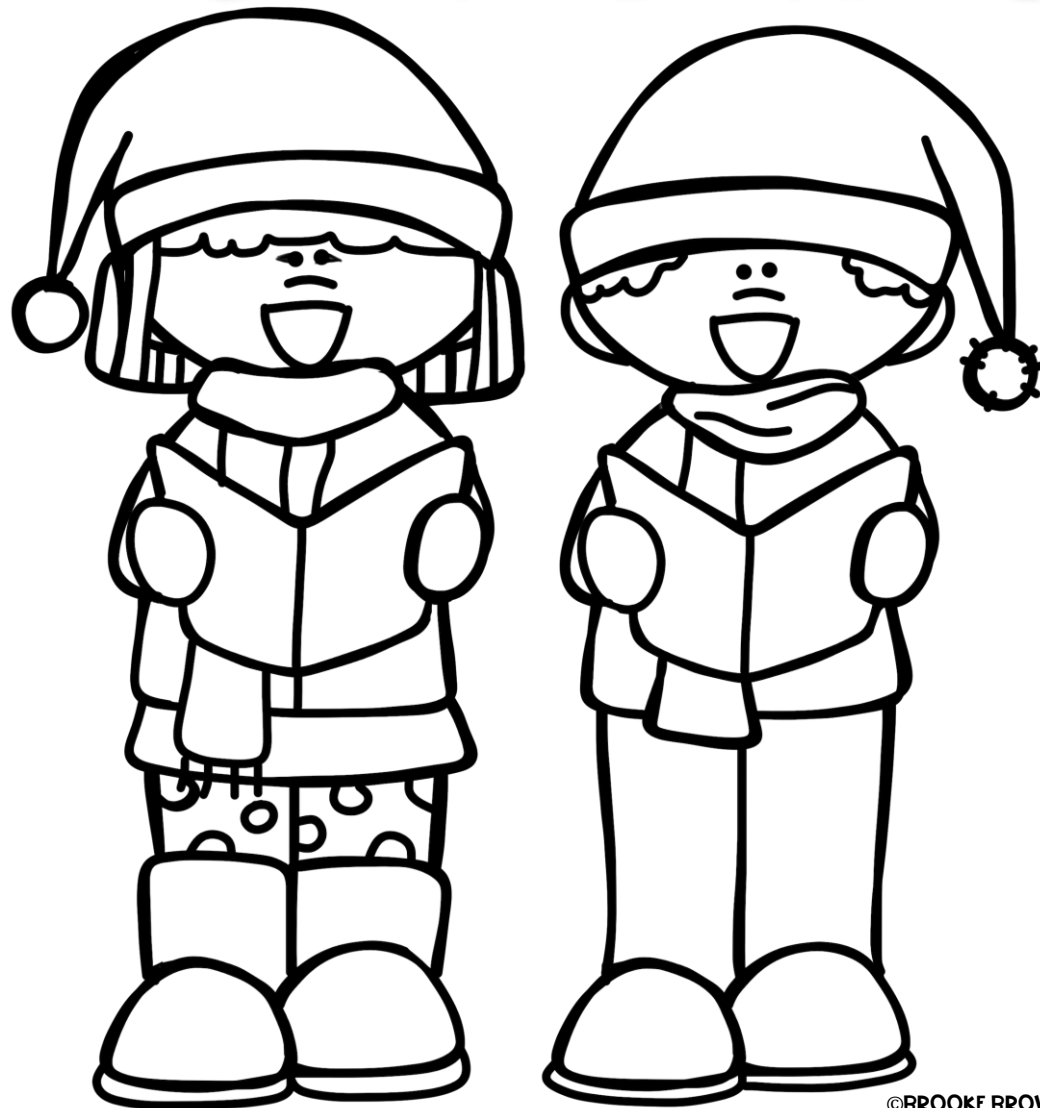
OPEN A giFT



©BROOKE BROWN

Choose 6 different
movement
cards per
student group

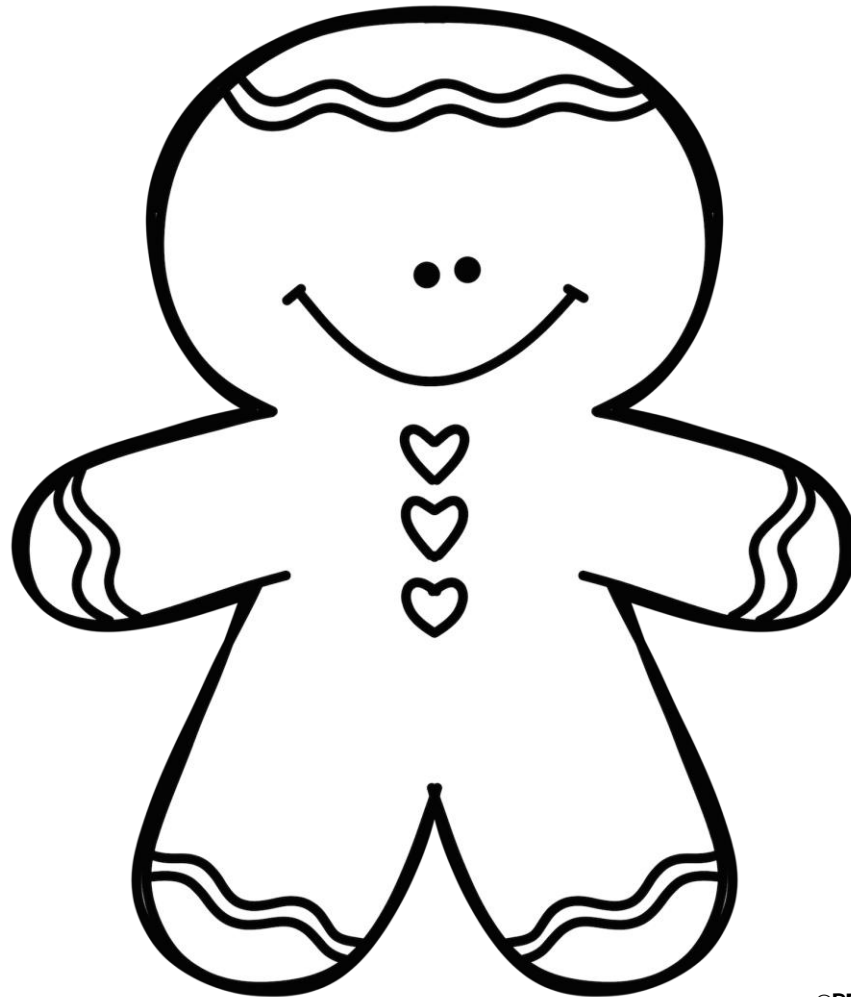
SING A CAROL



©BROOKE BROWN

Choose 6 different
movement
cards per
student group

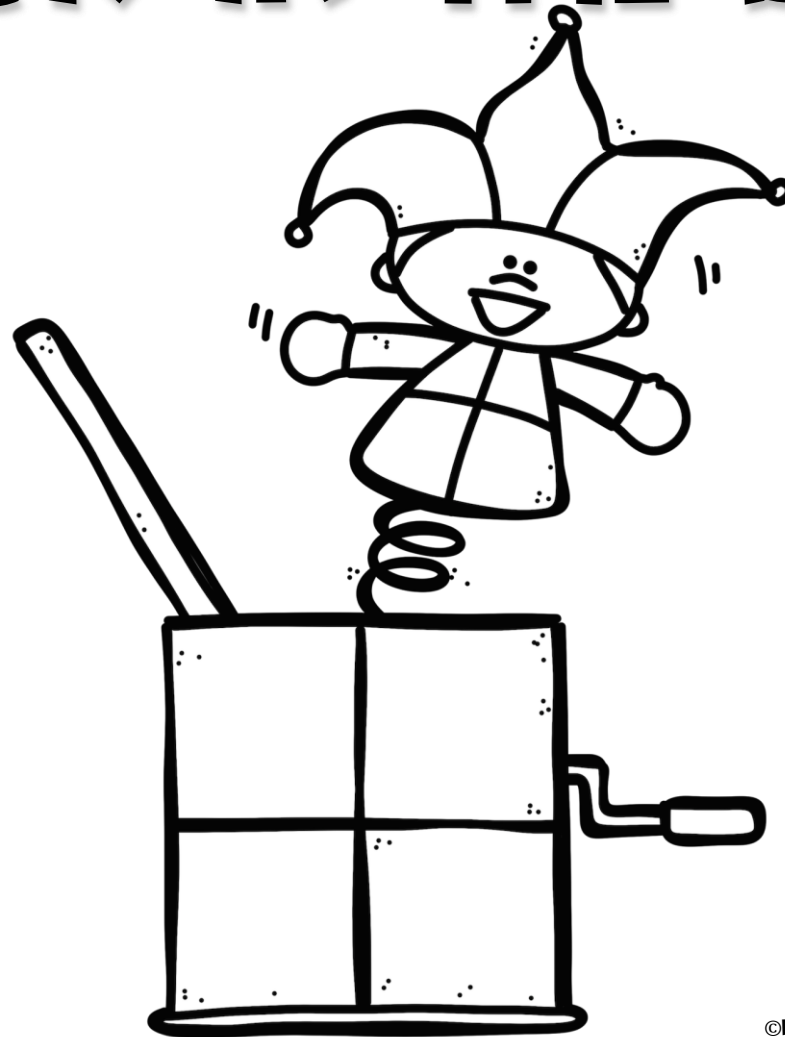
RUN LIKE A GINGERBREAD MAN



©BROOKE BROWN

Choose 6 different
movement
cards per
student group

POP UP LIKE A JACK-IN-THE-BOX



©BROOKE BROWN

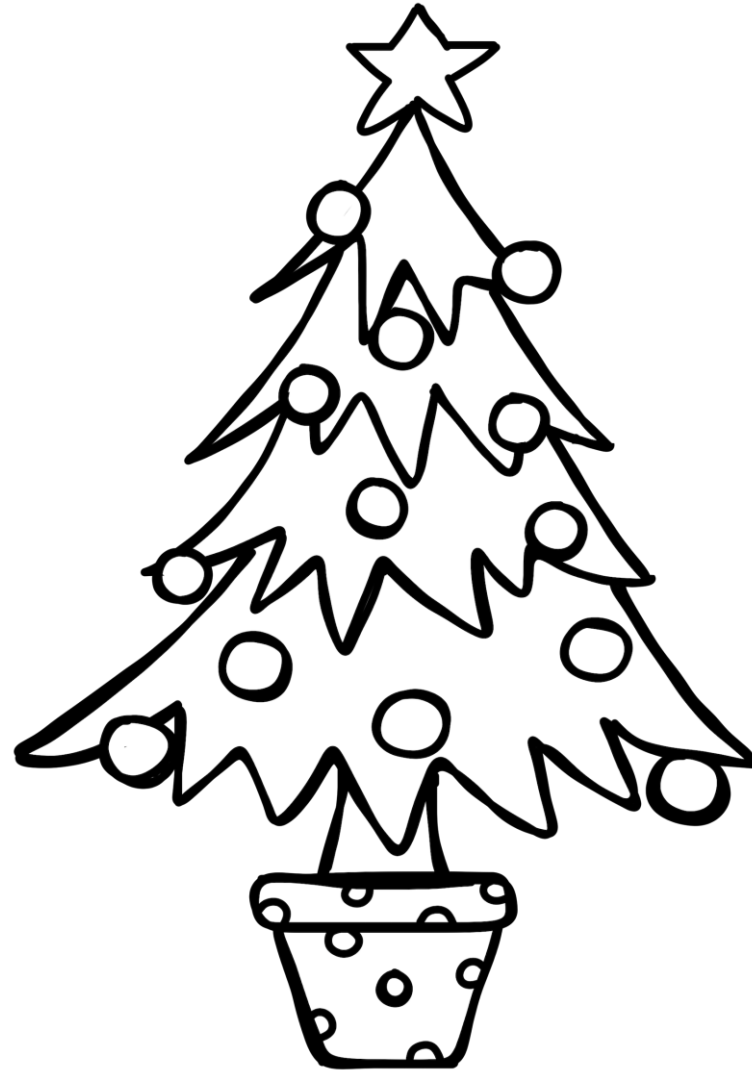
Choose 6 different
movement
cards per
student group

SAY “HAPPY HOLIDAYS!”



Choose 6 different
movement
cards per
student group

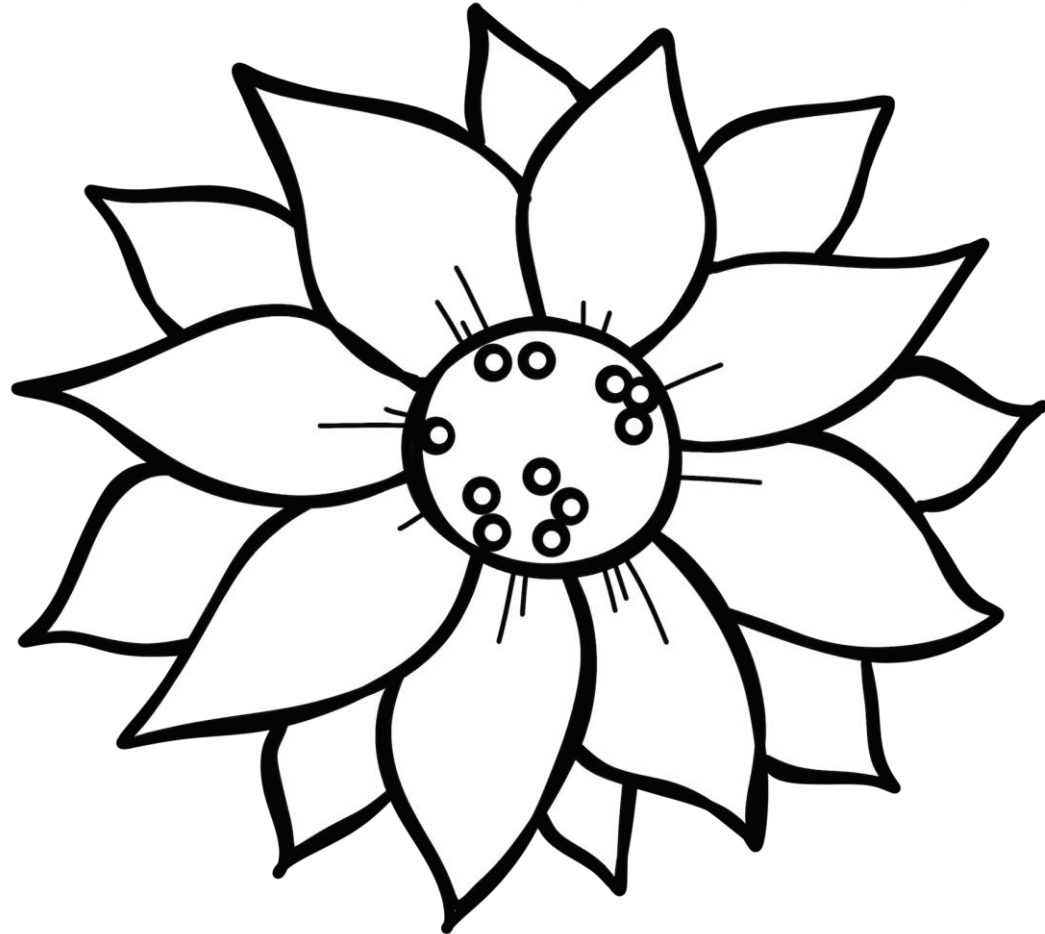
SAY
“MERRY CHRISTMAS!”



©BROOKE BROWN

Choose 6 different
movement
cards per
student group

SAY
“FELIZ NAVIDAD!”

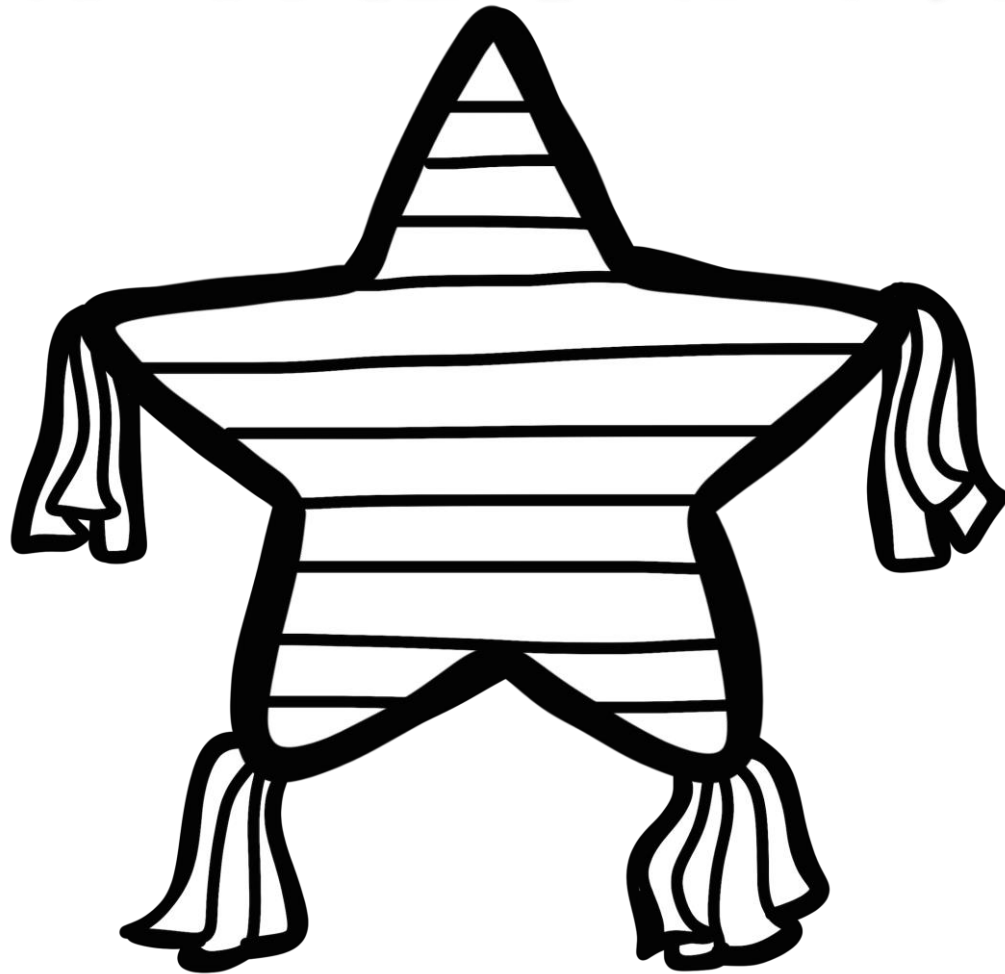


LAS POSADAS IN MEXICO

©BROOKE BROWN

Choose 6 different
movement
cards per
student group

HIT THE PIÑATA

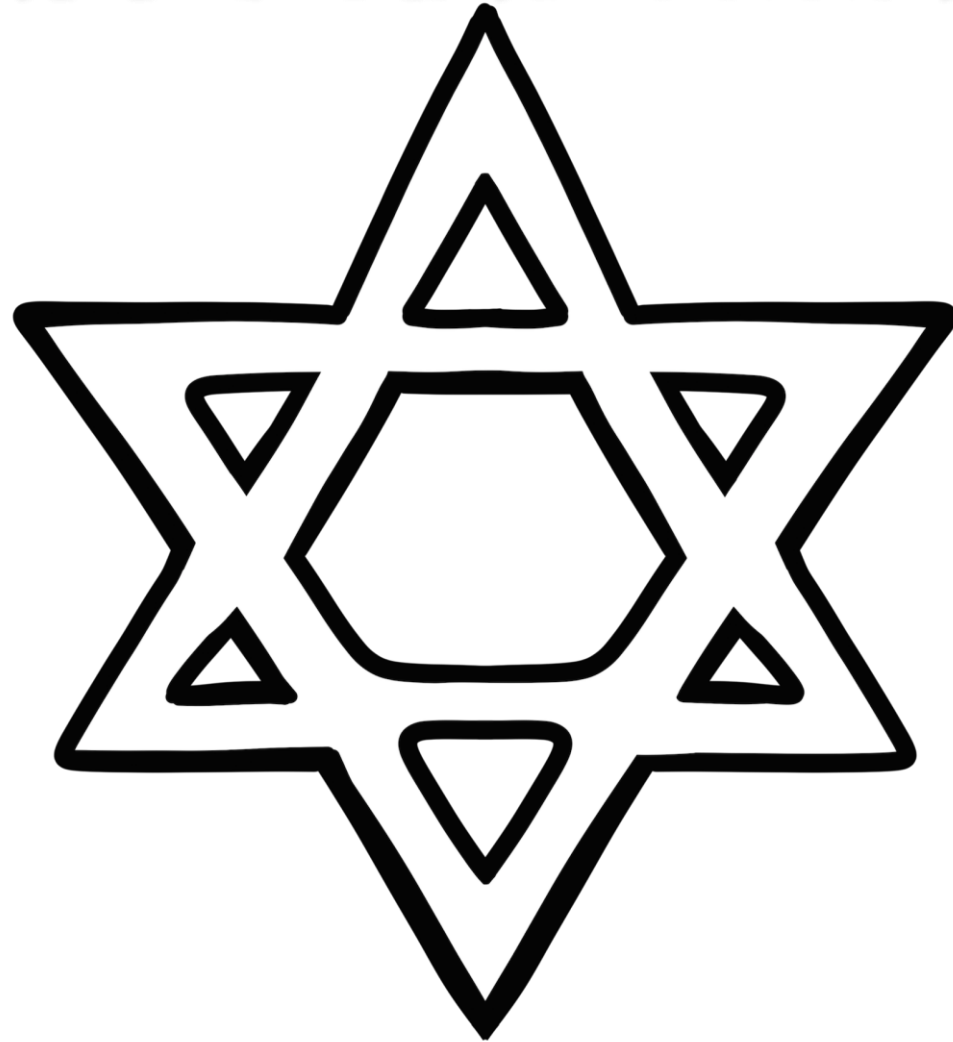


LAS POSADAS IN MEXICO

©BROOKE BROWN

Choose 6 different
movement
cards per
student group

SAY
“HAPPY HANUKKAH!”



HANUKKAH

©BROOKE BROWN

Choose 6 different
movement
cards per
student group

LIGHT THE MENORAH

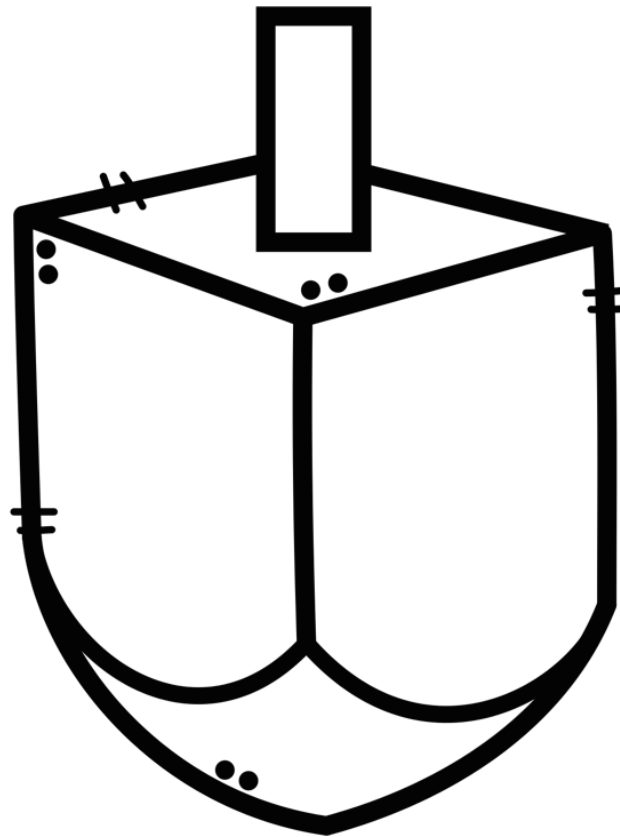


HANUKKAH

©BROOKE BROWN

Choose 6 different
movement
cards per
student group

SPIN LIKE A DREIDEL

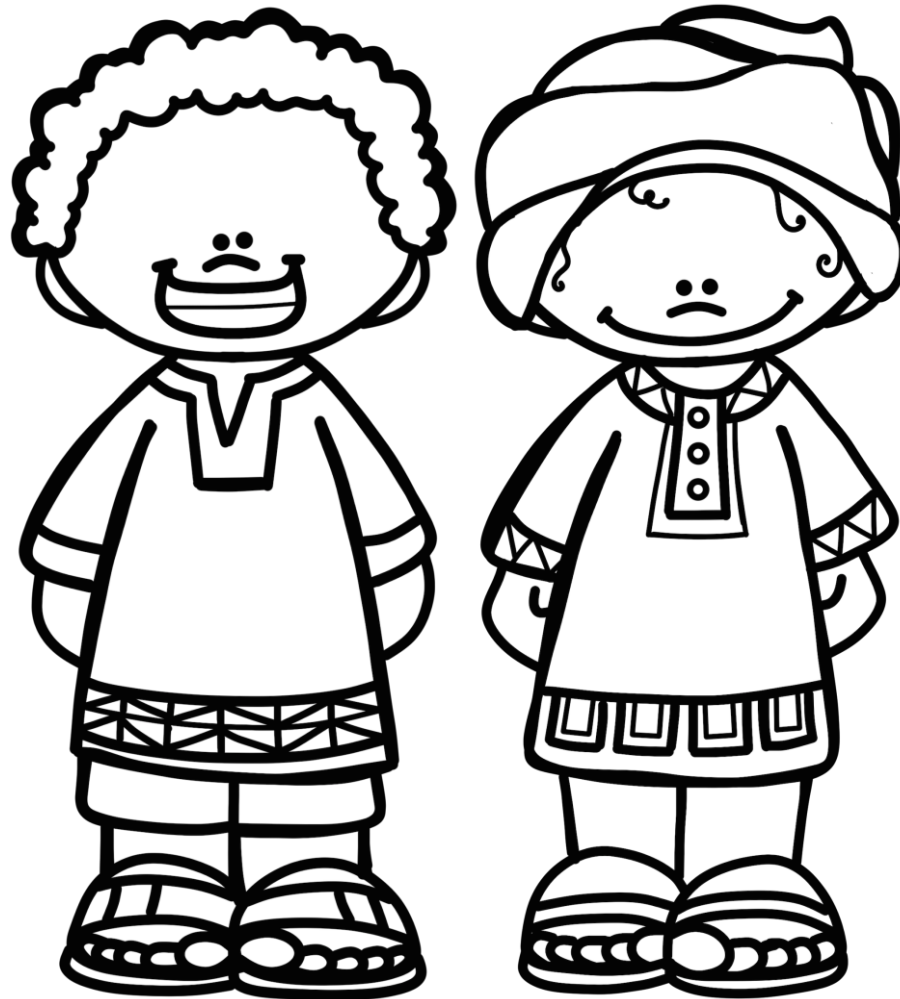


HANUKKAH

©BROOKE BROWN

Choose 6 different
movement
cards per
student group

SAY
“HAPPY KWANZAA!”

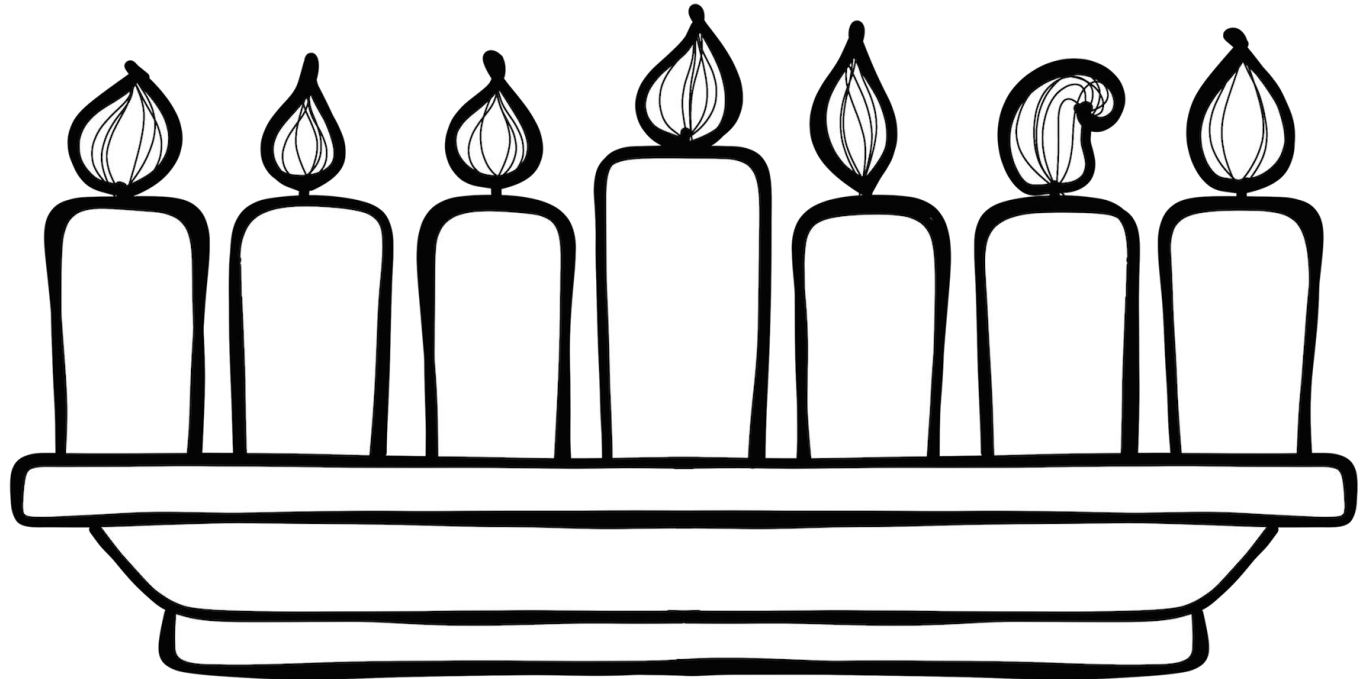


KWANZAA

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Choose 6 different
movement
cards per
student group

LIGHT THE KINARA

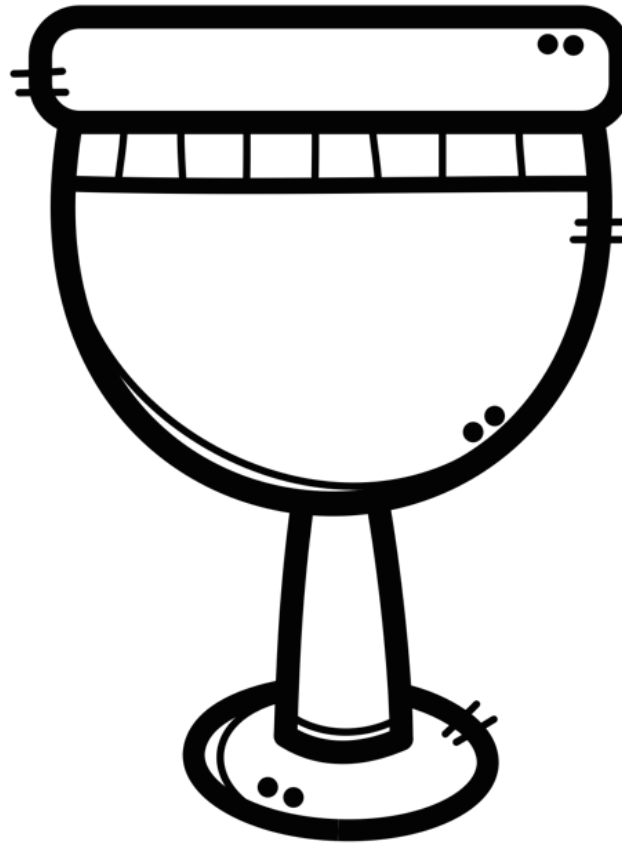


KWANZAA

©BROOKE BROWN

Choose 6 different
movement
cards per
student group

SIP THE UNITY CUP



KWANZAA

©BROOKE BROWN

Choose 6 different
movement
cards per
student group

BLOW ON HOT COCOA



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Choose 6 different
movement
cards per
student group

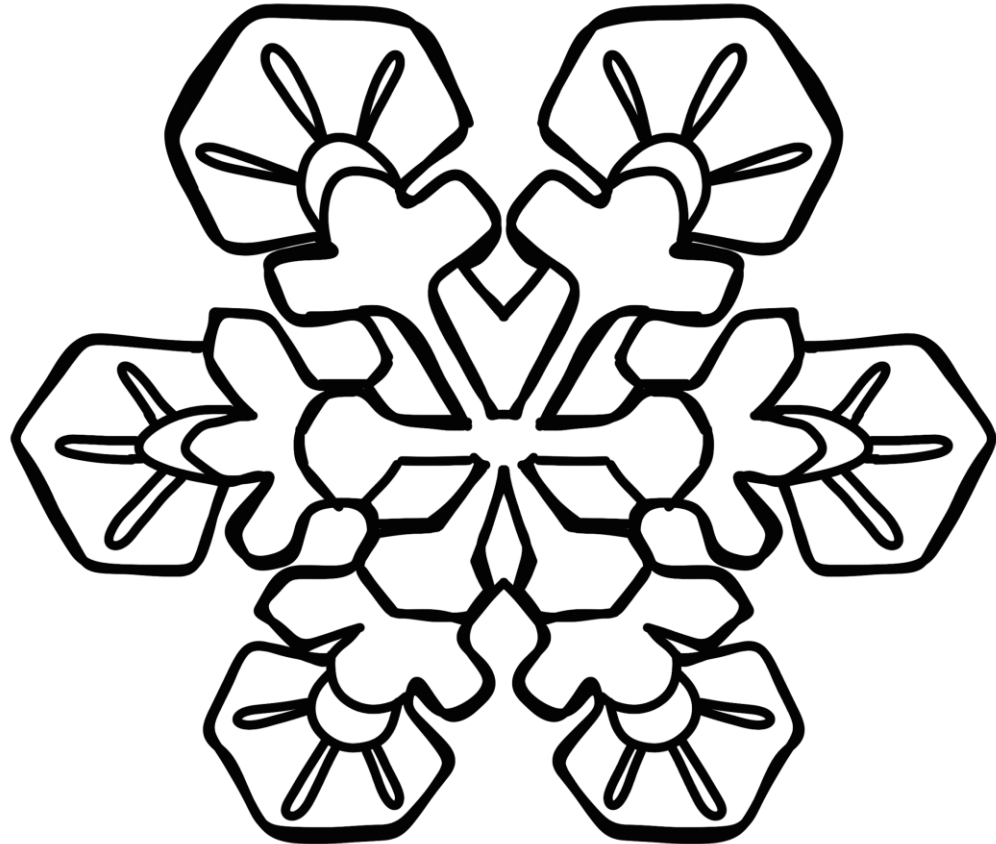
THROW A SNOWBALL



©BROOKE BROWN

Choose 6 different
movement
cards per
student group

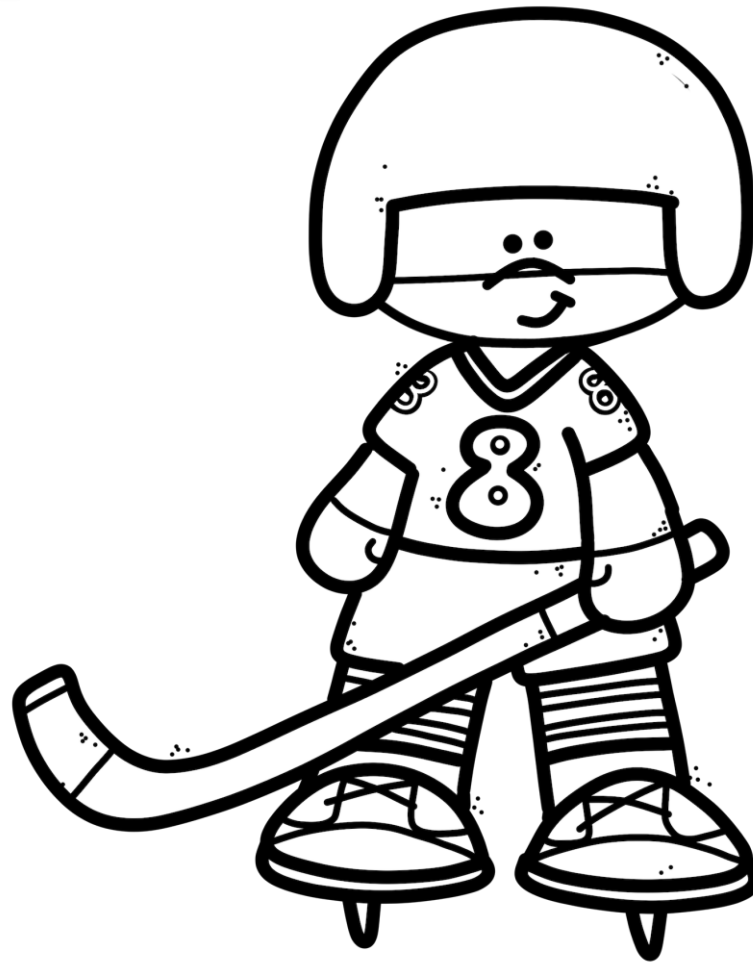
FALL LIKE A SNOWFLAKE



©BROOKE BROWN

Choose 6 different
movement
cards per
student group

HIT A HOCKEY PUCK



©BROOKE BROWN

Choose 6 different
movement
cards per
student group

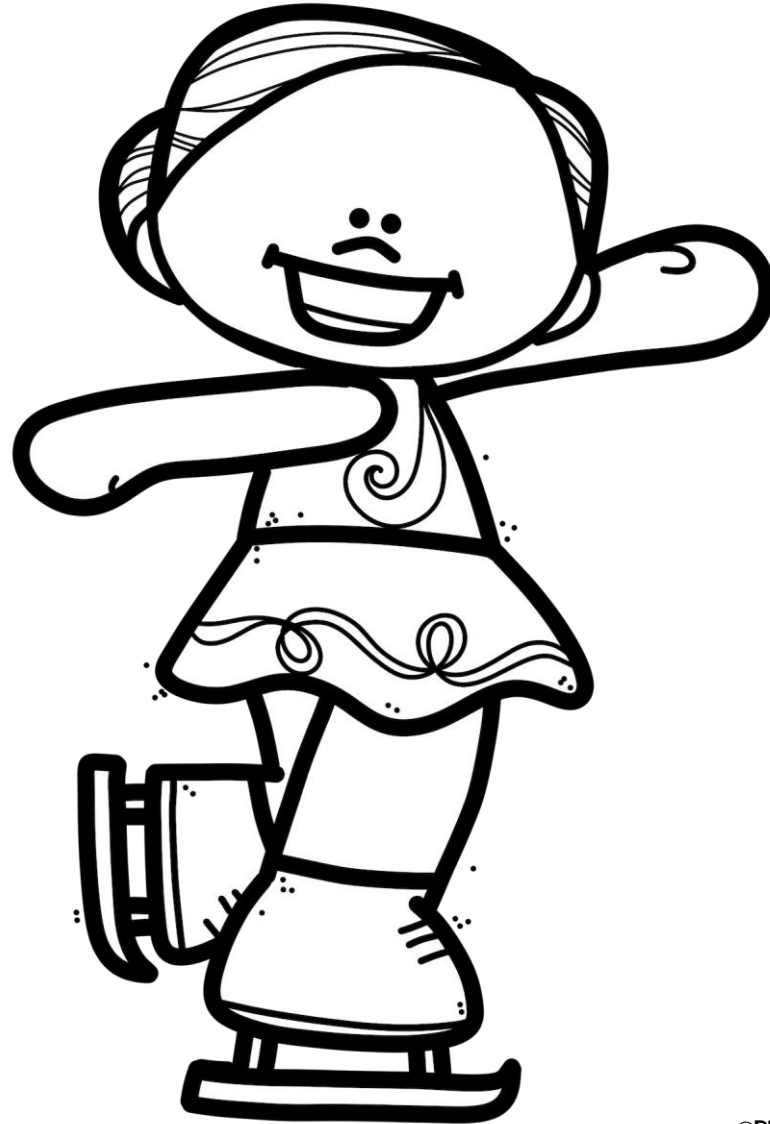
RIDE A SLED



©BROOKE BROWN

Choose 6 different
movement
cards per
student group

ICE SKATE



©BROOKE BROWN

CREDITS

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Created by Brooke Brown

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