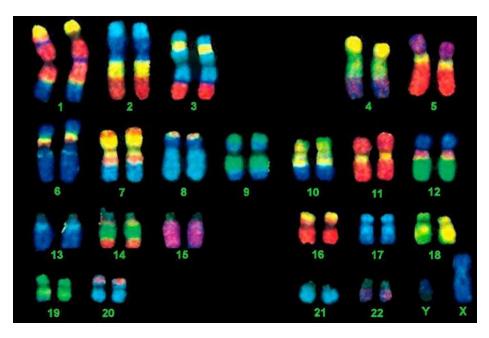
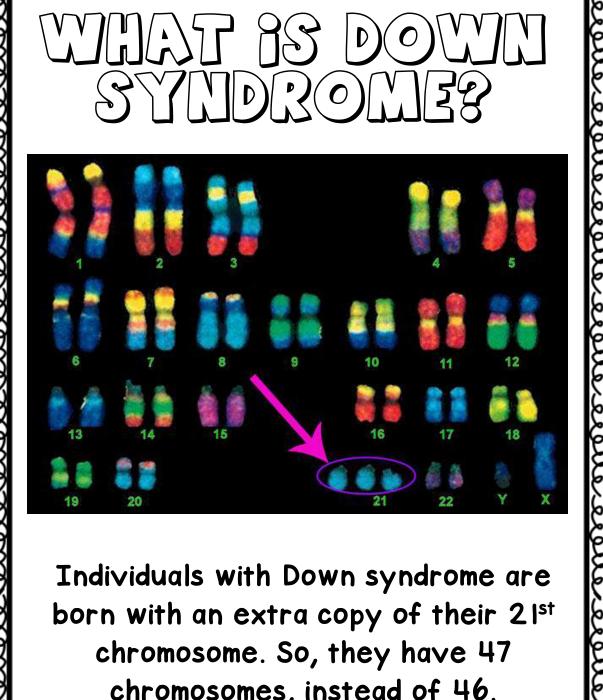


## CHROMOSOMES



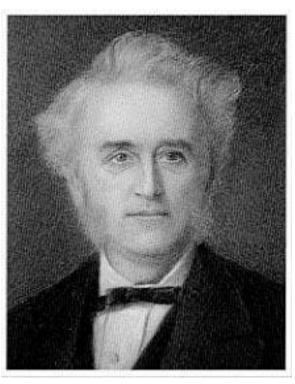
Chromosomes are tiny thread-like structures inside your body. Within each chromosome there are hundreds of genes. Genes determine everything about you! They hold the instructions to make you who you are. Genes decide things like gender, hair color, eye color, skin color, height, etc. While you grow, and throughout your life, your chromosomes will continue to make you a unique individual. Most people are born with 46 chromosomes (23 pairs).

Mareranarasan



Individuals with Down syndrome are born with an extra copy of their 21st chromosome. So, they have 47 chromosomes, instead of 46.





In 1866, an English physician named John Langdon Down published work describing the characteristics of Down syndrome. The syndrome was then named after the physician.

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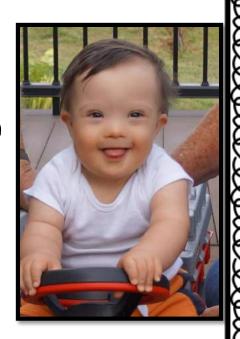
You cannot "catch" Down syndrome.

Everyone who has Down syndrome was born with it and will always have it. People from all around the world are born with Down syndrome regardless of gender, race, or economic status.

One in every 691 babies in the US is born with Down syndrome. There are over 400,000 people living in the US with Down syndrome today.

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People with Down syndrome are more alike than different! They can accomplish many of the same things you can, it just may take them a little more time.



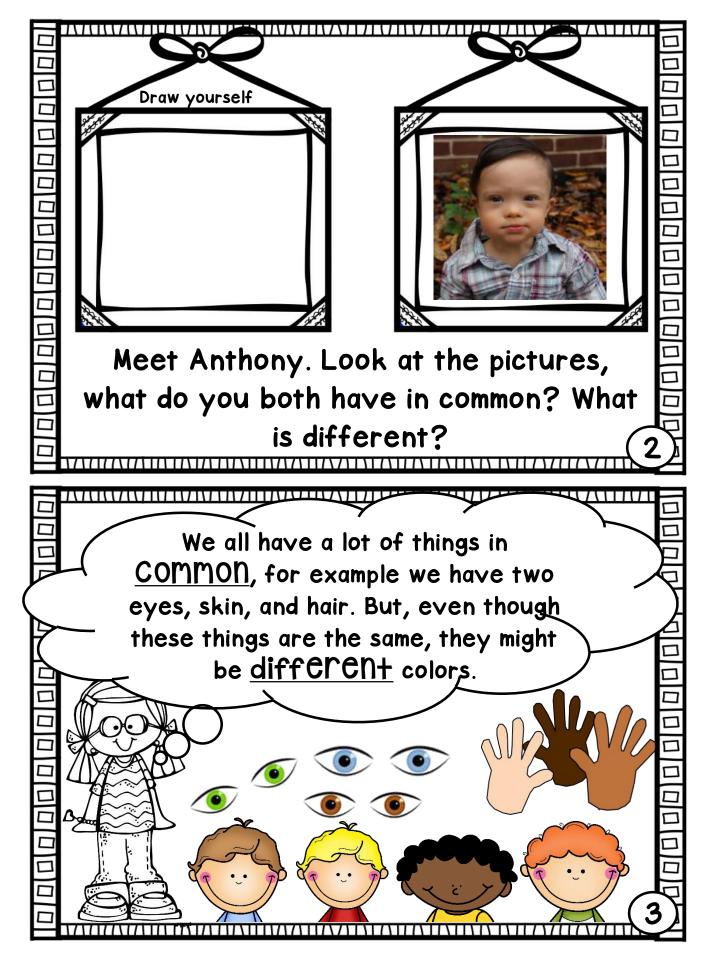


Having Down syndrome does not limit what an individual can do. They can attend school, work, participate in decisions that affect them, and contribute to society in many wonderful ways.

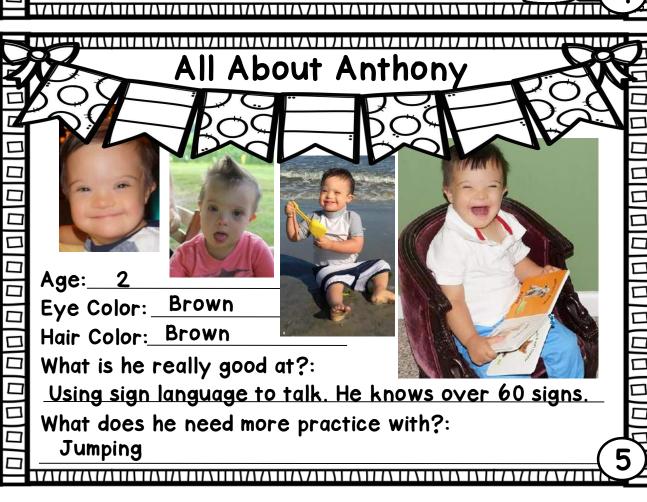
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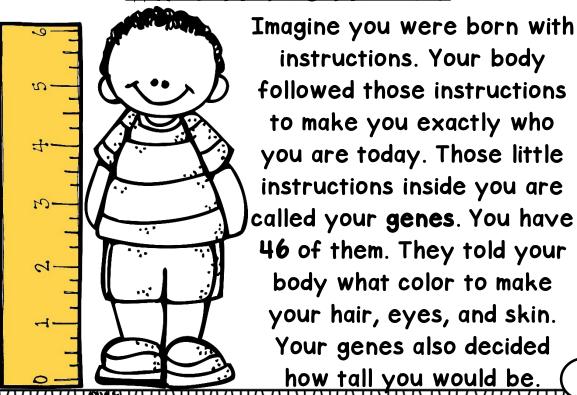


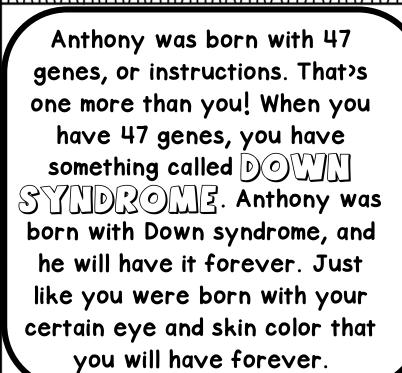


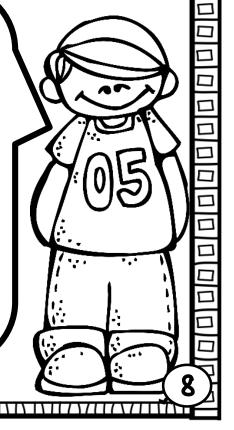


	All About You	
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	Eye Color:	
1[	Hair Color:	片
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	The second secon	
口	What do you need more practice with?:	
	What do you heed more practice with:	
		(6)
		Щ
_	MILOT MUKEC WE WILD	므

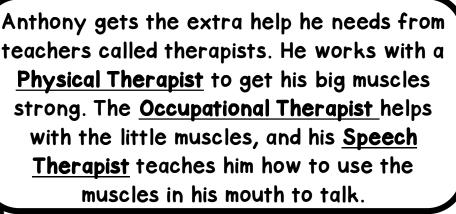
### **JUVC2 いた いたふ**







Sometimes having one more set of instructions makes it a little confusing for a person's body to understand. People with Down syndrome might have a hard time talking, or using their muscles the way you do. It may even take a little longer for them to learn something that seems easy to you.

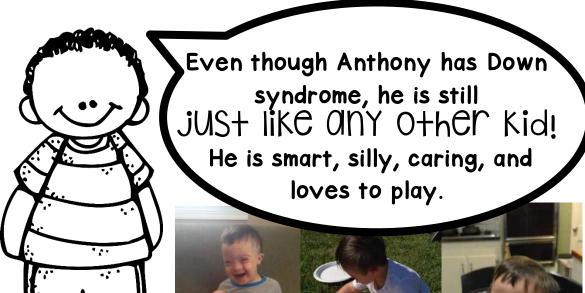








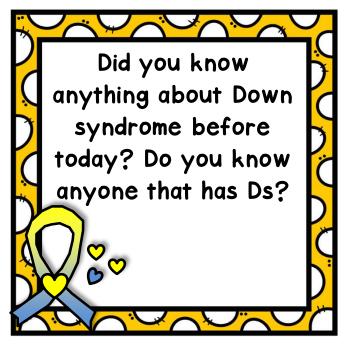


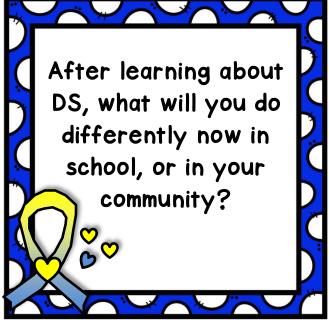




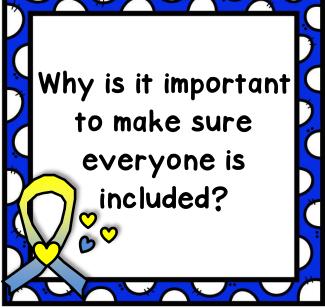
## DISCUSSION CARDS

Use these cards to start discussions about Down syndrome and acceptance either as a whole class, or in small groups.



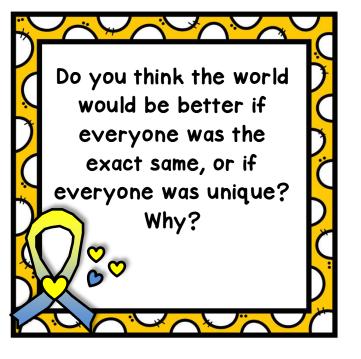




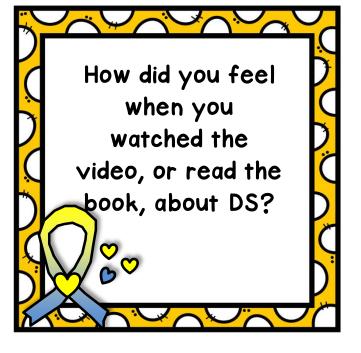


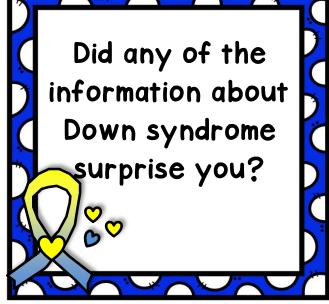
## DISCUSSION CARDS

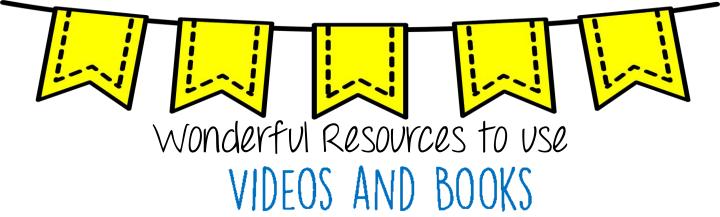
Use these cards to start discussions about Down syndrome and acceptance either as a whole class, or in small groups.











### I. <u>Video</u> "Just Like You Down Syndrome"

This video is narrated by a few teenagers, some with Down syndrome and some without. These pairs of friends talk about what they have in common, and what makes them different. The video has a great lasting impact on students, and is also informational.

http://www.justlikeyou-downsyndrome.org

▶ 13 min clip

https://www.youtube.com/watch?v=Q4p9GyWXWcw 3 min shortened clip

### 2. <u>Video</u> "Cyndi Lauper - True Colors (MattyBRaps Cover ft Olivia Kay)"

This is a music video cover preformed by MattyB, a young rapper. MattyB's sister has Down syndrome, and is the star (and inspiration) of this video. It touches upon relevant issues such as bullying and acceptance.

https://www.youtube.com/watch?v=dXmaE0041Y0&index=3&list=PL7D474167C2B4070D

#### 3. Book or Video "My Friend Isabelle" - Eliza Woloson

This story focuses on the friendship between two kids. Throughout the story the characters talk about what they like to do that is the same, and different. The little girl in the story has Down syndrome, but it is not mentioned. I found a video on YouTube of the story being read and animated. At the end of the video the actual mother (and author) from the story talks about her daughter with Down syndrome.

https://www.youtube.com/watch?v=IEB2bk29AMQ

#### 4. More Books About Down syndrome:

- The Prince Who Was Just Himself by Silke Schnee
- We'll Paint the Octopus Red by Stephanie Stuve-Bodeen
- 47 Strings: Tessa's Special Code by Becky Carey

## "Just Like You Down Syndrome"

#### **VIDEO REVIEW**

I. List three things you learned about Down syndrome from watching this video:

- \*
- \*
- \*
- 2. How many chromosomes does a person with Down syndrome have?
- 3. How did this video make you feel?
- 4. Did this video change how you view individuals with Down syndrome?

Did you like this video?





#### **VIDEO REVIEW**

I. What do you think the message of this video is?

2. How do you think the girl felt when no one wanted to play with her?

3. After watching this video, what did you learn?

4. What will you do now to make sure no one feels left out?

Did you like this video?





My Friend By: Eliza Woloson	Isabelle Book	REVIEW
000	Draw the main characters	How did this story make you feel?
Isabelle a	cha	Y lie
same	e, and in some way:	nds. In some ways they are the sthey are different.
How were the S	~~~	How were they DBFFERENT?
1.		<b>I.</b>
2.		2.
W.		

BOOK R.	
Draw your favorite part of the story.	How did this story make you feel?
What do you think the message of the way was a story? If so, what were they like?	own syndrome in the

## HOW TO INTRODUCE AND USE THE RANDOM ACT OF KINDNESS Worksheets and cards

A popular way to celebrate World Down Syndrome Day is to spread awareness through random acts of kindness. I wanted to involve students in this movement too. Students will receive one (or more) "Random Act of Kindness Card". They will use the "My Super Ideas" brainstorming page to think of a great way to hand their card out. When the student preforms the act of kindness, they hand the card out to the individual receiving the act. A great pay-it-forward activity!

Here are a few examples of how you can get your students involved in this wonderful activity:

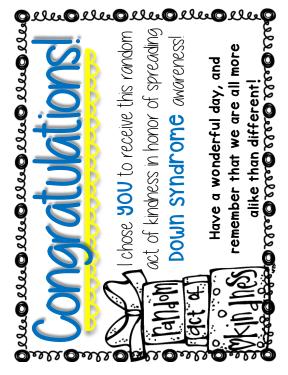
- Have students create get well cards for local hospitals.
- Create handmade thank you gifts for custodians, receptionists or cafeteria workers at school.
- Hand out flowers/happy notes to people who pass by your classroom
- Hold the door open in a busy section of school.
- Give someone a nice compliment.
- Send a thank you note to service members.
- Give a birthday note to someone in school.
- Leave a kind note or small gift on another student or teacher's desk.



## Random AC+ of Kindness Cards









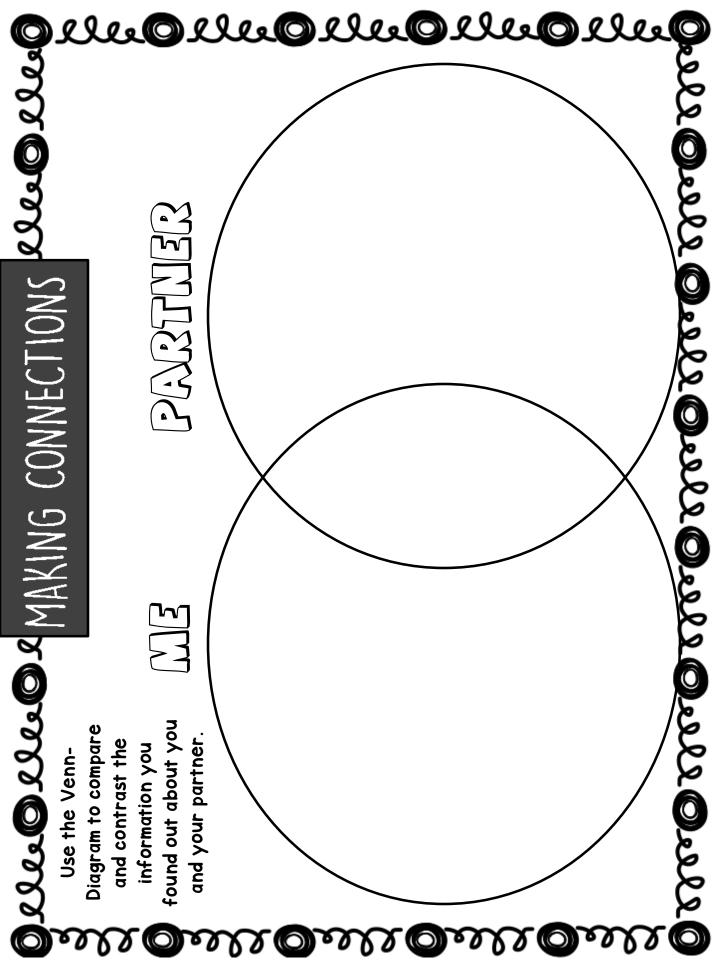
## HOW TO INTRODUCE AND USE THE MAKING CONNECTIONS Worksheets

The following five worksheets are all differentiated for different grades/levels of understanding. Each worksheet's main idea is to get the students talking to one another. They will hopefully start a conversation with someone they have not talked to a lot before. These worksheets are also a great way to demonstrate that even though we are all different, we share similarities too.

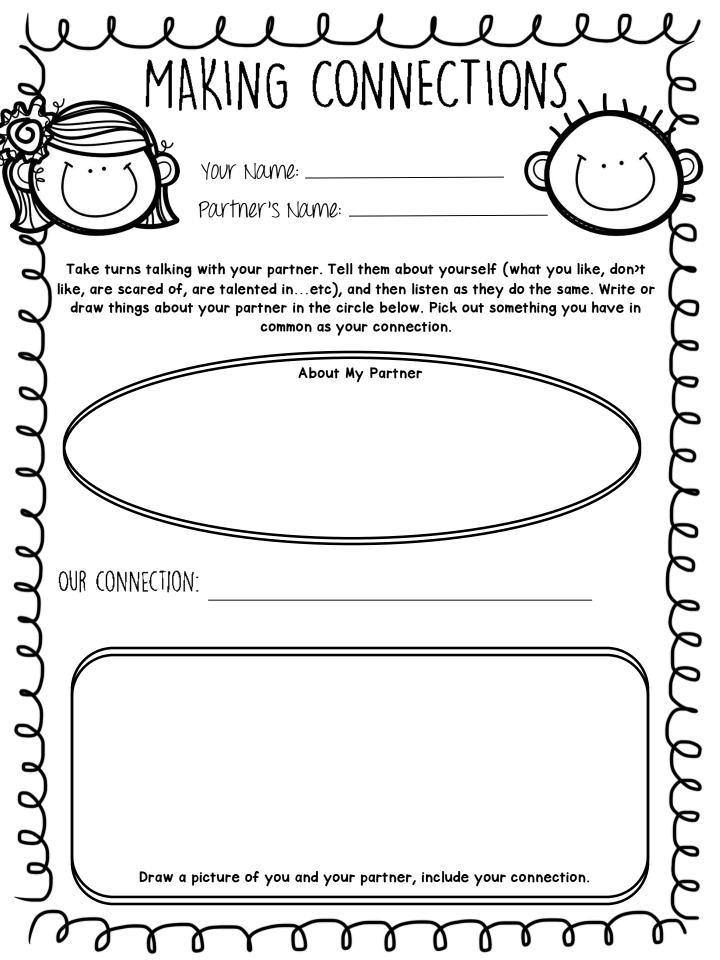
The "My Profile" Worksheet

Students fill out this worksheet about themselves first. They also draw a self portrait in the "selfie" box. Then, they will get with a partner to fill out the venn diagram with their answers.

	MY Profile
	My name:
	Age:
	Hair color:
Selt	Hair color:
	About Me
MY Favori+e	•
olor:	Sport:
ood:	Animal:
ıbject <u>:</u>	TV Show:
Self  My Favorite  plor:  pod:  ubject:  usician:  My dream job:	Season:
My dream job:	
	you to know about me:
••	



( ) <b>K</b>	ume: ''s Noume: _		Q	
Answer yes or no to the statem		•	?. Then, interview have in common?	•
	Ye	DU	PART	MER
can ride a bike	Yes	No	Yes	No
can swim	Yes	No	Yes	No
Live in an apartment	Yes	No	Yes	No
Have a sister	Yes	No	Yes	No
Have a dog	Yes	No	Yes	No
Like football	Yes	No	Yes	No
Like to read books	Yes	No	Yes	No
Like to draw	Yes	No	Yes	No
Play Video games	Yes	No	Yes	No
Have a brother	Yes	No	Yes	No
Like bugs	Yes	No	Yes	No
Like the color yellow	Yes	No	Yes	No
Like to play tag	Yes	No	Yes	No
Been to the beach	Yes	No	Yes	No
Have a collection of	Yes	No	Yes	No



	ullull	للا
	MAKING CONNECTIONS,	1
	Your Name:	
3	Ask your partner if they like the things below. If they do, color in the happy they do not like it, color in the sad face. Look at both papers when you're fit What do you have in common?	
7	odogs obooks	٥
3	broccoli swimming	م
$\supset$	purple playing tag	9 -
2	common drawing common math	وو
7	snakes snow	
7		2
$\mathcal{Z}$		1
$\mathcal{Z}$		9
7		6
3	Draw a picture of you and your partner.	

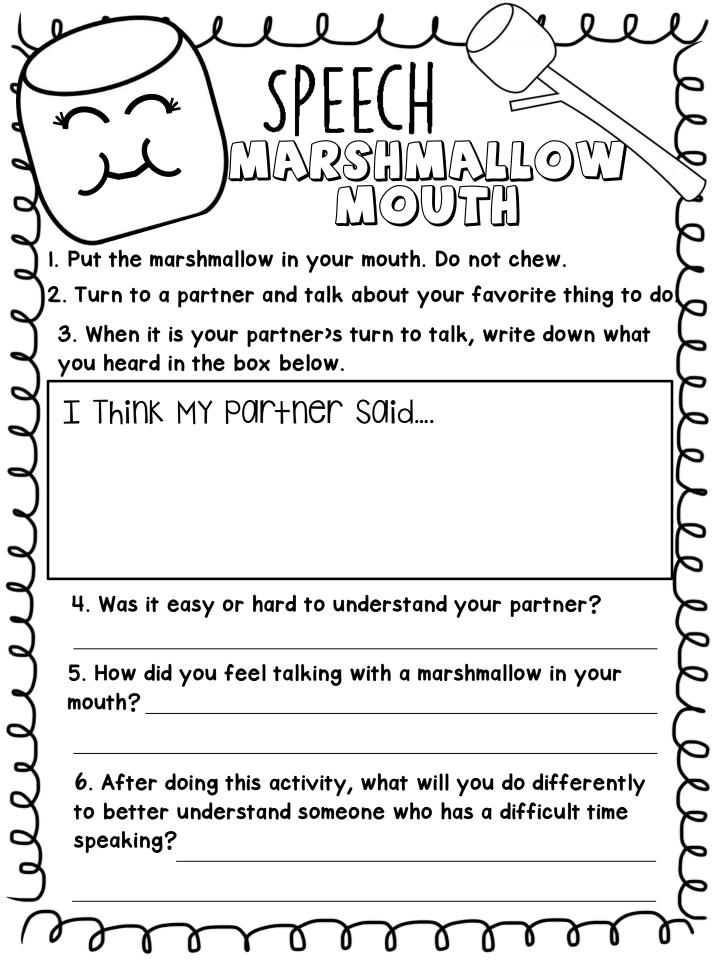
# HOW TO INTRODUCE AND USE THE SPEECH AND FINE MOTOR Worksheets

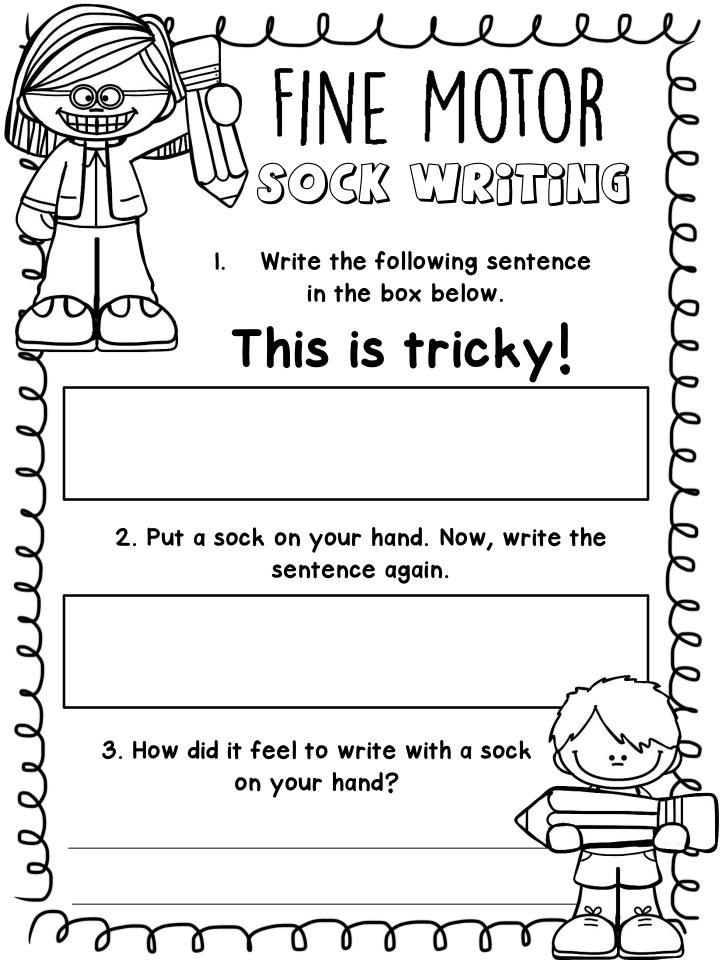
Imagine how hard it would be if you had something you wanted to say, but you couldn't get the words out just right. Some individuals with Down syndrome have oral low muscle tone. This means the muscles in the mouth are weak which makes it harder to do things like eat and talk. Sometimes it might be difficult to understand what that person is trying to say. Speech therapy helps strengthen the muscles with a variety of oral exercises.

This worksheet will demonstrate the difficulties that some individuals face when trying to communicate. You will need to have I marshmallow per student for this activity. Partner up your students, explain the worksheet, and hand out the marshmallows (check for allergies!). Students will take turns putting the marshmallow in their mouth to talk. The marshmallow acts as the enlarged tongue of an individual with DS, and will show your students why it might be difficult to understand them.

## FINE MOTOR

People with Down syndrome may have trouble with fine motor skills. This could include things such as tying their shoes, grabbing a fork to eat, zipping a jacket, or writing with a pencil. They do exercises to help strengthen their fine motor muscles in order to accomplish everyday tasks. The following activity will demonstrate how some individuals have to work hard to do things that may come easy to you. Each student will need a pencil and a sock. They will try to write with a sock on their hand which will show how it feels to write with less control.



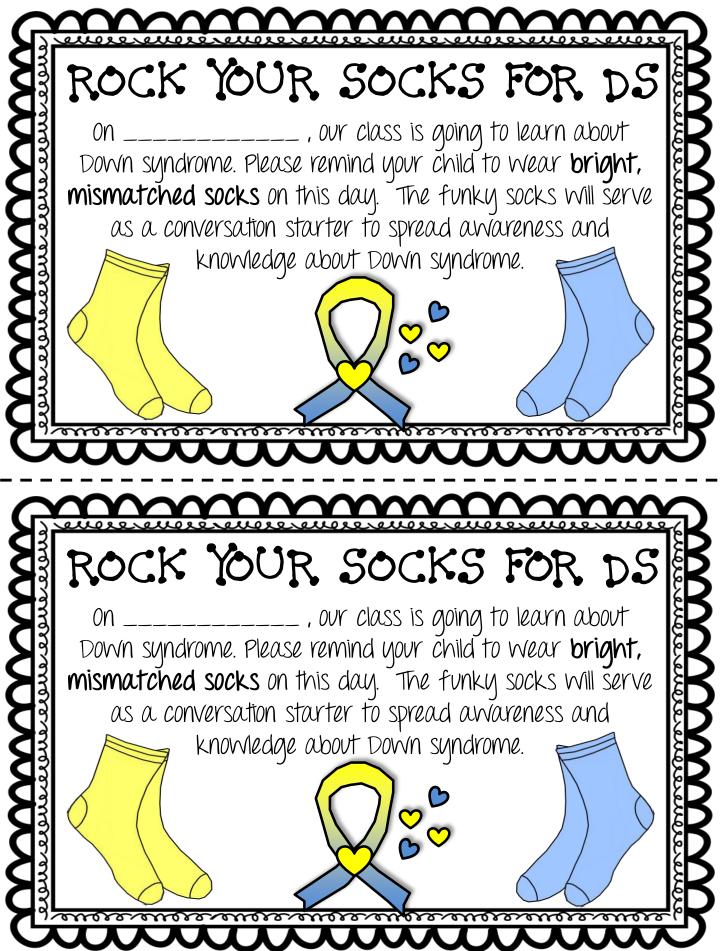


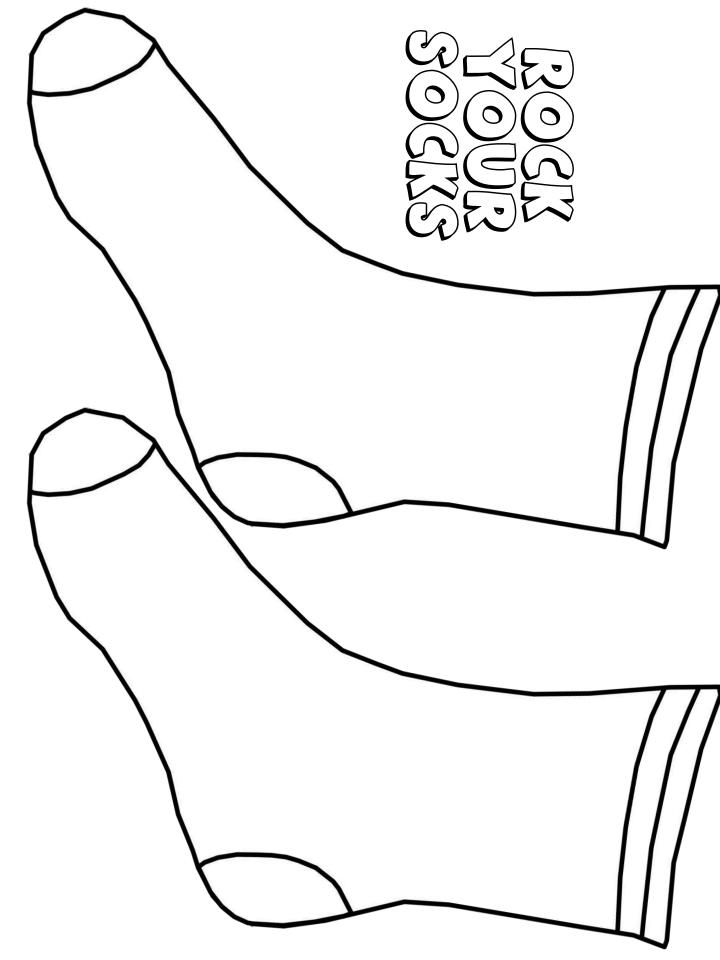
# HOW TO INTRODUCE AND USE THE ROCK YOUR SOCKS Worksheets

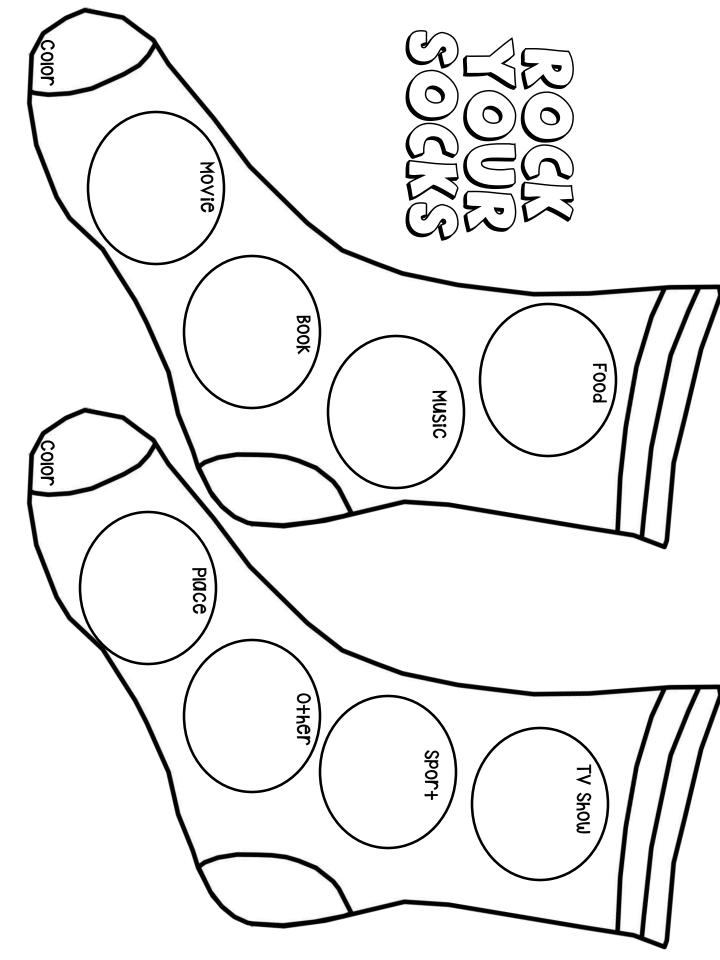
A universal way to celebrate world Down Syndrome Day and to spread awareness is an event called "Rock Your Socks". To participate, you must wear bright, mismatched socks on 3/21 (the date of world Down Syndrome Day). However, this activity can be implemented any day of the year to teach students the importance of diversity and acceptance. The socks are used as a conversation starter. When someone asks why you are wearing crazy socks, you can reply "I am rocking my socks to spread Down syndrome awareness and to advocate for acceptance and inclusion."

## The following pages are activities to do that correlate with the event "Rock Your Socks". These are my two favorite ways to present the activity:

- Students will all decorate the blank sock template exactly the same. When students are finished, you can ask them if this is how they would have decorated their socks on their own. Then you could start a discussion-Would it be fun to live in a world where everyone was exactly the same, and did everything in the exact same way? After the discussion you can let the students be creative and decorate new socks to represent their personality.
- 2. Students will decorate their blank sock template (two differentiated sheets provided). They can color it as they choose, or decorate it with symbols that represent their favorite things (favorite movie, t.v show, sport, book, music, place to go, food, color). Hang the finished socks up, so students can see the similarities and differences of everyone in their class. I also provided a half-page label for the finished sock product to explain their drawing. It can be stapled to the socks if you're hanging them up.







	<u> </u>	ROCI	kin'	So	CKS
Movie:			Music:		
T.V. Show:_			Place:		
Sport:			Food:		
Book:			Color:		\$
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