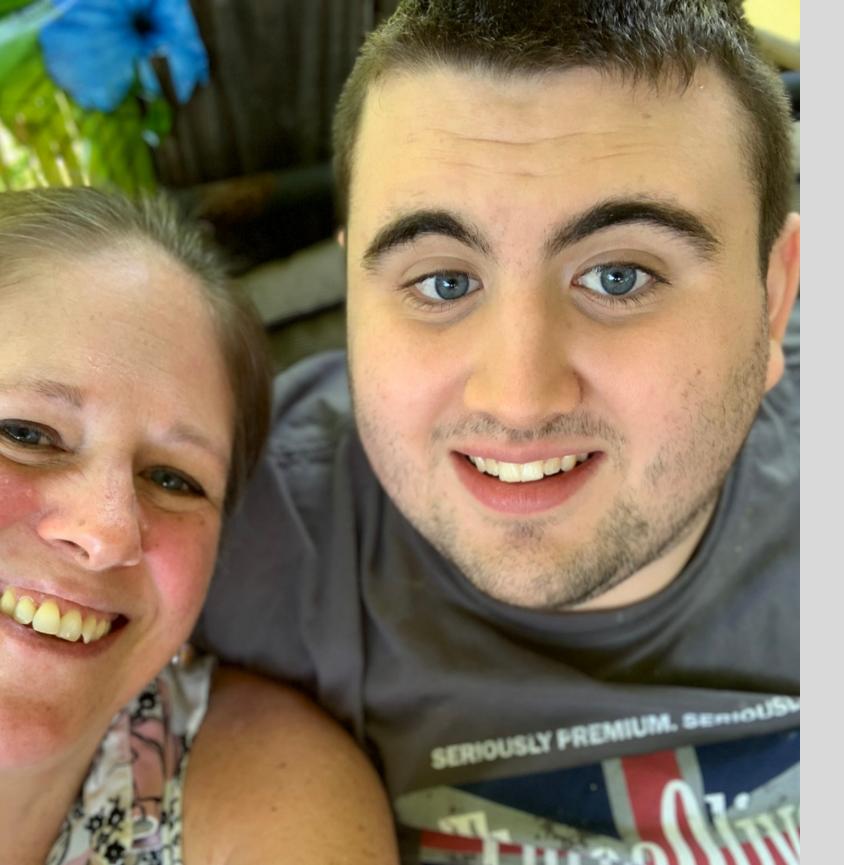


ALSO INCLUDES GOOGLE SLIDES

Special Needs for Special Kids

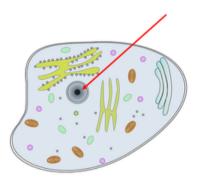


This unit was created with this guy in mind. He has autism and an intellectual disability. He is a nonreader, has a very short attention span, and struggles to sit still. With some support he is able to do this unit, and enjoys the challenge. He is my tester!!



Organelles: Nucleus

By Christa Joy Special Needs for Special Kids



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	•	
Pages	Activity	
4-5	Vocabulary board	
6-9	Vocabulary cards	
10-19	Vocabulary cut and paste	
20-23	Circle maps	
24-29	Match functions to parts of nucleus	
30-32	Labeling parts of nucleus	
33-37	Cloze worksheets	
38-48	Assessment	
49-50	Terms of Use	

Also included in this resource as separate files:

- Lesson plans
- · Links and directions to digital activities
- PowerPoint (this is the book in the lesson plan)
- · Voice recorded PowerPoint
- · Activities in black and white

This unit contains 6 days of material in print and digital formats. I have included a detailed lesson plan to help you make the most of everything in this unit including how to add some group activities.

It comes in 2 separate files.

One in color and one in black and white.

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Nucleus Lesson Plan

Preparation

- · Print out a vocabulary board for each student to use throughout unit o Laminate or place in page protector
- Book
 - o Print out, laminate, and bind
 - o OR your students can listen to the pre-recorded version
- Vocabulary cards
 - o Print out a set of cards onto cardstock and laminate
 - o Make one set for each student and also one for the teacher to use in I Spy

Preassessment (do day 1 before starting lesson)

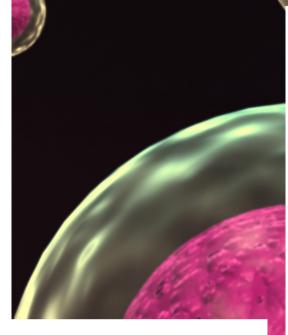
- . Choose the form of the assessment that best fits the learning level of your students
- . Give the assessment to assess what your students may already know
- · I cannot emphasize enough how important this step is. If you want to see growth, this preassessment is so important!!

Teaching Tips

- . Color Coding: this is a really easy way to add more structure to a matching activity. Outline or color in an empty the corresponding picture symbols the
 - a. For more info, read more here: https://specialneedsforspecialkic differentiation/
 - b. I also have a blog post on differ https://specialneedsforspecialkic 3-ways-easily-and-effectively/
- Make you own copies of the activities yesterday. For that reason:
 - a. I often complete the activity m that I could use year after year.
 - b. My copies were also helpful as more support or as a way for n work.



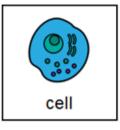
Activity	Notes	Materials
Read or listen to a recording of the book (10 minutes)	Read through the story, asking lots of questions Continue to make connections between book and vocabulary board	Book Vocabulary board
Vocabulary cards I Spy Game (10 minutes)	I play this game see description on day 2 Today, try to give clues about the card your student needs to find Read definition Show real photo that relates to card from book Describe the picture Discuss relevant points on the card You can also play this game in this manner having them find the symbol on their vocabulary board	Vocabulary cards (student set and teacher set) Vocabulary board
Labeling activity review (5 minutes)	Review the labeling worksheet completed yesterday	Complete labeling worksheet
Matching activity (10 minutes)	Do the activity matching part of the nucleus to its function There are 2 versions (use the version you don't use for review if needed prior to assessment)	Labeling worksheets Scissors Glue
Sharing (10 minutes)	Each student shares their finished worksheet with the group using the communication method of their choice	Completed worksheet Communication devices

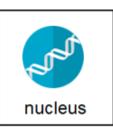


Quick Look

	There is a 6 days lesson
	There is a 6 days lesson
	There is a 6 days lesson
	There is a 6 days lesson
<u> </u>	
	plan with tips and
	detailed plans for each
	day with individual and group activities.

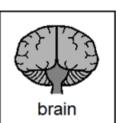






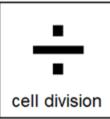


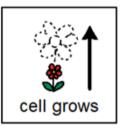


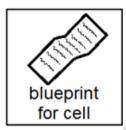


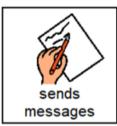


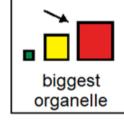


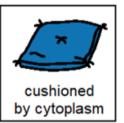


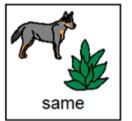




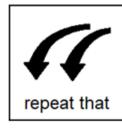


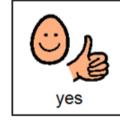


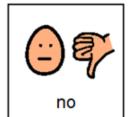
















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This unit comes with a vocabulary board.

Vocabulary boards are great for ALL students to assist with participation and engagement in group discussions.

Tips on how to use in the unit!!

nucleus

The brain of the cell. Tells all the organelles what to do.



organelle

Things inside the cell that have their own membrane and special job to do.



The brain of the cell. Tells all the organelles what to do.

nucleus



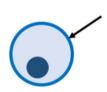
organelle

Things inside the cell that have their own membrane and special job to do.



nuclear envelope

2 layers that surround and protect the



chromatin

nucleolus

Dense area inside the nucleus made up of RNA is where ribosomes are made.

pores



nuclear envelope

2 layers that surround and protect the nucleus.



Dense area inside the nucleus made RNA is where ribosomes are r

Cut apart and match pictures with definition.



















There are 12 vocabulary cards that come in color and black and white.

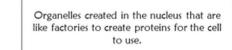
Included are suggestions for group activities to do with these each day.

There are also individual cut and paste activities included as well.

nucleopla ribosomes







Dense area inside the nucleus made up of RNA is where ribosomes are made.

Things inside the cell that have their own membrane and special job to do.

Transferring the message from the RNA to the ribosomes so proteins can be made.

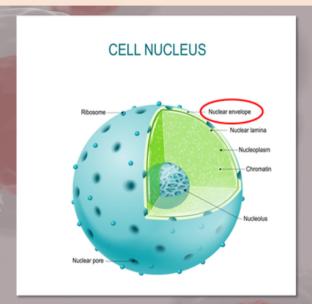
Copy of the code from the DNA that it takes to the ribosomes as a building block to make proteins.

The messages the RNA is given in the nucleus and will carry to the ribosomes.

Channels in the nuclear envelope that allow small molecules (like ribosomes) to pass through into the cytoplasm.

2 layers that surround and protect the

The nucleus is surrounded by a nuclear envelope. This envelope is made up of 2 layers and protects the nucleus from other things floating in the cytoplasm. It also keeps important structures inside the nucleus.



@Christa Joy, SNSK

Growth of the cell depends on the cell making the right proteins the cell needs to survive and ultimately divide. This is also controlled by the nucleus through 2 processes: transcription and translation.



There is a 30-page book with simple text and engaging photos.

It comes in a PowerPoint version as well as a voice-recorded PowerPoint (so you don't have to print it out.)
There is also a movie version you can use in google slides.

@Christa Joy, SNSK

Errorless version

Cut apart pictures and place in circle map about the nucleus.













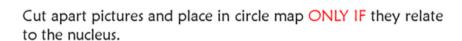


























The Picture Communication Sym













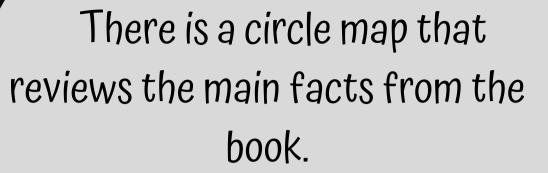






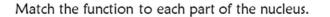


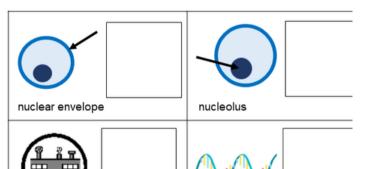




Circle maps are a great way for students to see the concept at a glance. There are 2 versions:

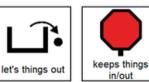
- One is errorless
- One has wrong answers mixed in students will have to set aside





Match the function below to the part of the nucleus responsible.















DNA

nucleoplasm



chromatin

pores

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RNA































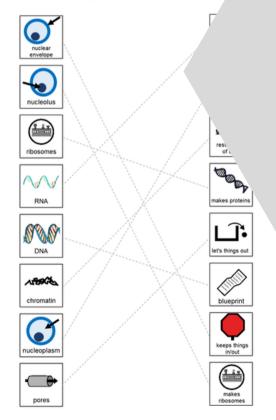








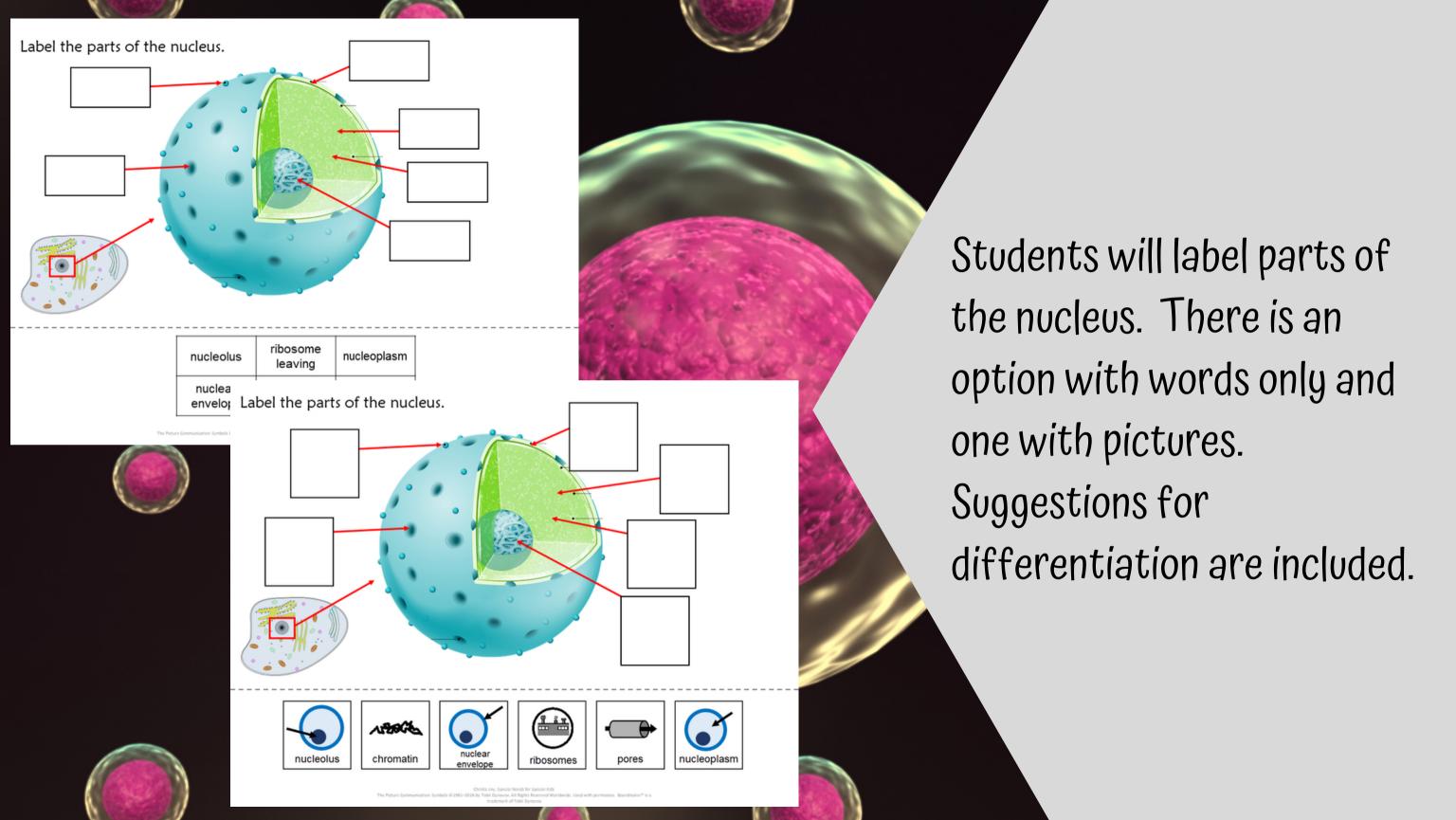




There is a matching activity, matching part of the nucleus to its function. There are 2 versions

- cut and paste
- drawing a line (includes differentiated version)

differentiated



Nucleus

The nucleus is located in the of the cell.

2. There is normally only nucleus per cell.

3. The nucleus acts like the of the cell.

4. The nucleus is the in plant and animals cells.

5. The surrounds and protects the nucleus.















6. and are made in the nucleolus.

7. is the resting form of DNA inside the nucleus.

8. Ribosomes can escape into the cytoplasm through

h

 ${\bf 9.}$ Recording messages to take to ribosomes is called



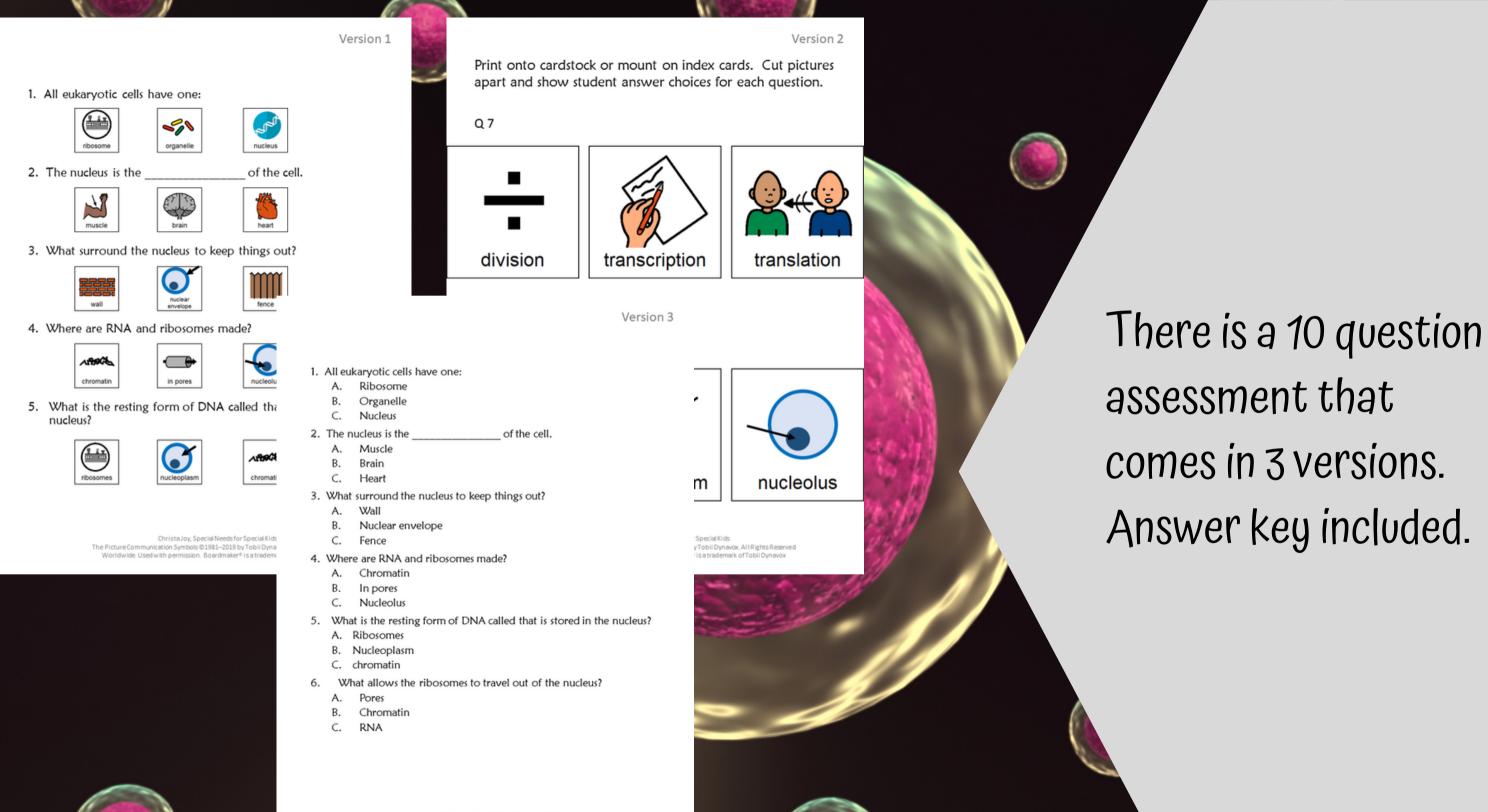
10. Turning the message into proteins the cell can use is called



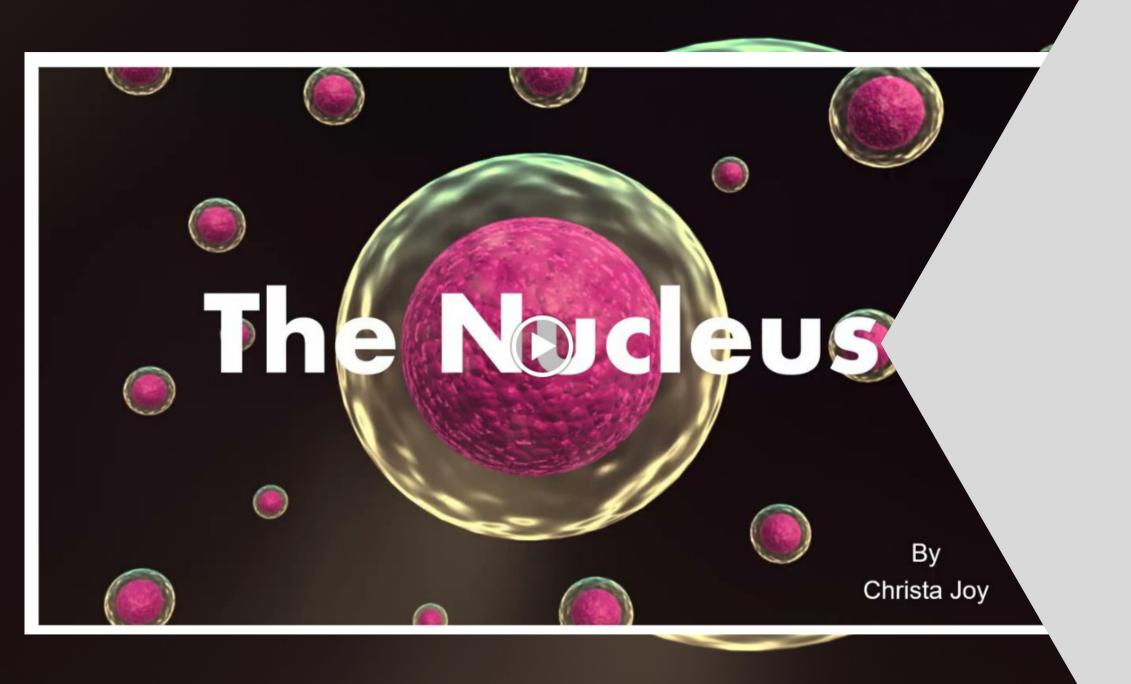




There are 2 fill-in-the-blank worksheets. These allow you to review and find areas that may need to be re-taught before the assessment.



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This unit also includes digital versions of the activities.

Students can watch a movie book version of the book rather than printing it out.









2. The nucleus is the

of the cell.







3. What surround the nucleus to keep things out?







4. Where are RNA and ribosomes made?







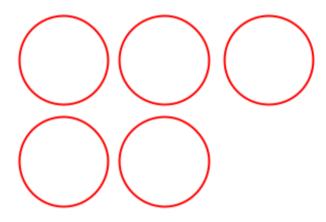
5. What is the resting form of DNA called that is stored in the nucleus?







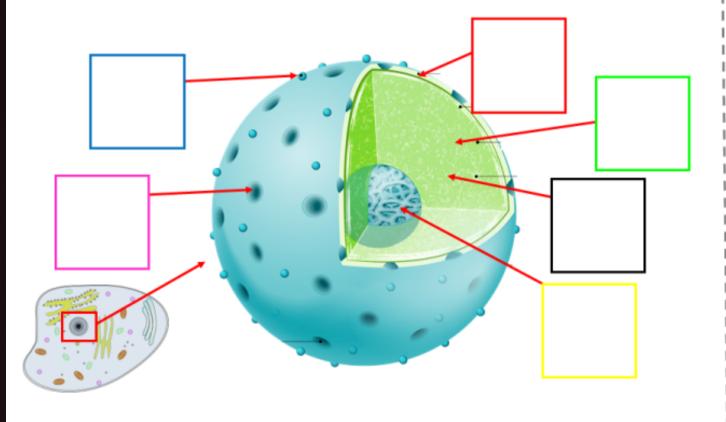
Circle the correct answer.



Each activity is set up so students can click and drag answers. No typing is required.

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Label the parts of the nucleus.



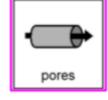
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The second set of slides uses color for differentiation and extra support for students who may need it. Mix and match slides from both sets to make the perfect set for each student.

This resource comes in a zipped folder. You will need to unzip the folder to access all the contents which include:

- 6 days of lesson plans
- Nucleus activities in color
- Nucleus activities in black and white
- Voice-recorded PowerPoint show
- The Nucleus book (PowerPoint) to use with activities
- Links and directions to digital activities

This is a focused unit for students who need more practice with organelles in the cell.

I also have a Biology bundle that is an overview of the cell that includes mitosis and heredity.

CLICK HERE-