

### **About Harris Elementary School...**

#### **Faculty**

- Total number of teachers: 48
- Teachers with advanced degrees: 31
- Average years of experience: 7

#### **Students**

- Total students (PreK-5): 533
- African-American: 24%
- Hispanic: 69%
- White: 5%
- Multi-racial: 2%

#### **Advanced Academics**

- Students in gifted education: 16
- Percentage in gifted education: 3%



J.J. Harris Elementary Charter School

### **Academic Performance**

#### **Reading/English Language Arts – YES**

- All Students 82.7%
- Black Students 82.7%
- Economically Disadv. Students–82.1%
- Hispanic Students 83%
- English Language Learners— 74.3%
- White Students \*
- Students with Disabilities 40.7%





### **Academic Performance**

#### **Mathematics - YES**

- All Students 86.1%
- Black Students 83.6%
- Economically Disadv. Students—85.6%
- Hispanic Students –87.4%
- English Language Learners-79.4%
- White Students \*
- Students with Disabilities 55.6%



### 3<sup>rd</sup> grade – Classroom Context

#### Educators

- Mainstream teacher.
- Student Teacher.
- ESOL teacher.

#### Students

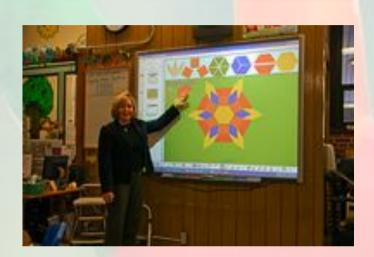
- 14 males and 8 females.
- 20 Hispanic and 2 Caucasian.
- 2 gifted students.
- Most of the Hispanic students speak English and Spanish fluently.
- 15 ESOL students and 4 monitored ESOL students.



## Available Resources

- TV Broadcast Studio
- Computer lab
- SMART Boards
- LCD projectors
- Mobile wireless laptop computers





### Standards

#### **Focus Standards**

- S3L1. Students will investigate the habitats of different organisms and the dependence of organisms on their habitat.
- a. Differentiate between habitats of Georgia (mountains, marsh/swamp, coast, Piedmont, Atlantic Ocean) and the organisms that live there.
- b. Identify features of green plants that allow them to live and thrive in different regions of Georgia.
- Identify features of animals that allow them to live and thrive in different regions of Georgia.
- d. Explain what will happen to an organism if the habitat is changed.

#### Supporting standards

- S3CS1. Students will be aware of the importance of curiosity, honesty, openness, and skepticism in science and will exhibit these traits in their own efforts to understand how the world works
- a. Keep records of investigations and observations and do not alter records later.
- b. Offer reasons for findings and consider reasons suggested by others.

## **Theoretical Framework**

Sociocultural Theory

Systemic Functional Linguistics (SFL)

edesigns.net

## **Sociocultural Theory**

- "Learners need to be engaged with authentic and cognitively challenging learning tasks and support must be given that is responsive to the particular demands made on children learning through the medium of a second language" (Gibbons, 2002, p.10).
- "Sociocultural theory sees human development as intrinsically social rather than individualistic. Individual development is a product of education" (Gibbons, 2002, p.

8).

### Systemic Functional Linguistics (SFL)

- It provides a framework for demonstrating how meaning is constructed in particular language choices (Fang, Z., & Schleppegrell, M., 2008, p. 10).
- It offers teachers strategies for evaluating the difficulty of reading materials and the quality of students' writing (Fang, Z. & Schleppegrell, M., 2008, p.12).

### Systemic Functional Linguistics (SFL)

#### A curricular unit that integrates language and learning:

#### 1. Focus on meaning

- Comprehensible Input
- Development of Critical Literacy

#### 2. Focus on language:

- Development of children's' awareness of language forms and uses
- Ability to critically analyze language.

#### 3. Focus on use:

- Using language to transform what has been learned
  - Generating new knowledge
  - Creating literature and art
  - ✓ Acting on social realities.

# Language and literacy demands in Science

#### Language demands

- Students will learn some technical vocabulary used in the texts. (e.g. pollen, stigma, handler, Egyptian plover bird, hygiene, domesticated, symbiosis, germination)
- Students will be able to recognize the differences between the simple texts and the more complex ones (zig-zag pattern used in the upper-grade scientific textbooks)

#### **Literacy demands**

- Students will need to read and identify different patterns in the sample expository texts, both simple and complex ones.
- Students will need to write their own scientific texts.

## Critical & Multiliteracies

- Students will learn how plants, animals, and human need each other in authentic contexts and will understand and value these symbiotic relationships.
  - ✓ Video clips
  - Cards with pictures and print
  - ✓ Big book
  - ✓ Smart Board
  - ✓ Multimodal Poster: It will shape students' attitudes and beliefs towards other living things, and will encourage respect and civility towards nature.

## Curricular Resources

Movie: How do plants, animals, and people need each other?

- Cards matching
- Big book reading
- Small group: Work with scientific texts
- Small group: Writing workshop
- Whole group reading: Vanishing cloze

#### The flower and the bee

This is the symbiotic story, Of a flower and a bee, that helped each other, It is hard to believe.

The bee wanted some nectar, It wanted some food to eat, From this beautiful neat flower, Which was red, blue, and green.

The bee also collected, Some pollen to feed itself, The rest of it was taken, To a flower close to her.

The pollen fell on the stigma, The flower made some seeds, A lovely plant was growing, And became an apple tree



## Students Assessments

Formal Assessments

Informal Assessments

## Formal Assessment (Rubric)

1. General Comments	2. Text Type	3. Overall Organization	4. Cohesion	5.Vocabulary	6. Sentence Grammar	7. Spelling
is the overall meaning clear?	text is this?	is the overall structural organization	Are the ideas linked with the	is appropriate vocabulary	Is this accurate?	is this accurate?
Are the main	is this	appropriate	appropriate	used?		If the writer
ideas develop?	appropriate	to the text	connectives?			does not yet
	for the	type?		Is there		produce
Does the writing reflect the	writer's	Are now	Is there an	semantic		correct
writer's other	purpose?	Are any stages	appropriate variety of	variety?		spelling, what does
classroom	Has the	missing?	these			the writer
language experiences?	written this		connectives?			know about spelling?
	text type		Are pronouns			
What is your	before?		used			
overall impression			correctly?			
compared to			Do pronouns			
other things the			have a clear			
learner has written?			referent?			

## Informal Assessment

- In-class assignments
- Class discussions
- Participation in the various activities



## Curricular Unit

- DAY 1: Introduction of the unit- Movie and discussion.
- DAY 2: Card game followed by group discussion and whole class sharing.
- DAY 3: Guided reading- Big book- teacher scaffolding
- DAY 4: Teacher instruction-modeling of two expository texts
- DAY 5: Cloze activity and discussion using the Smart Board
- DAY 6: Creation of a multimodal poster
- DAY 7: Presentation of the poster.
- DAY 8: Explanation of characteristics of expository texts-Brainstorming in groups
- DAY 9: Drafting: Participants, processes, and circumstances
- DAY 10: Revising: Is it cohesive?
- DAY 11: Publishing/sharing
- DAY 12: End of the curricular unit: Vanishing cloze



### Lesson Plan (Coile Middle School)

- □ Pre Literacy
- During Literacy
- Post Literacy

## Pre-Literacy

- Video Clip: Example of how the Egyptian Plover bird cleans the crocodile's teeth.
- Matching cards and discussion in small group and sharing.





### **During – Literacy Activity**

- **Explicit instruction** on the use of language in textbooks.
- •Use of the Smart Board to model how to identify the author's language choices:

#### Text 1

There are many types of birds. Most birds fly, but some birds like penguins swim and cannot fly. Birds use things they find to make their nests. Large birds use broken branches they find in the forest to make nests. Littler birds use smaller branches called twigs to make their nests. The nests are a place of shelter for the birds<. Birds lay their eggs in nests

#### Text 2

There are many different types of birds. Most of them fly, but some birds like penguins swim and cannot fly. Birds that can fly build nests. These nests are made of branches. Broken branches are used by large birds to make big nests, while smaller birds use littler branches called twigs to make their nests. Birds use nests as places of shelter where birds can lay their eggs.

### Post – Literacy Activity

- Cloze filling
- Identification of author's language choices (Participants)
- Sharing of procedures using the Smart Board

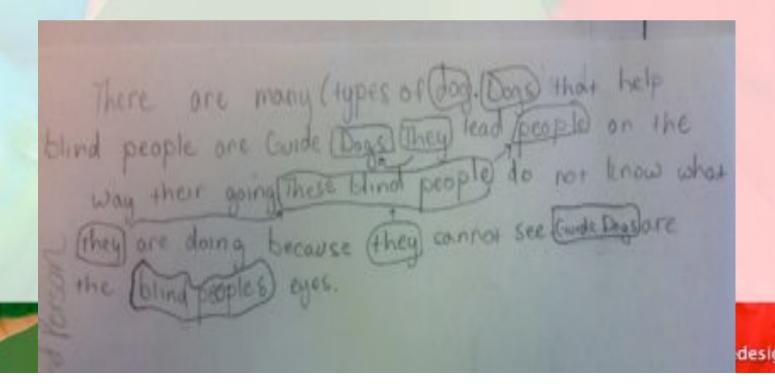
#### Birds / branches / nest

There are many different types of bi	fly, but some birds			
like penguins swim and	fly.	build nests.		
are made of branch	nes	are used by large		
birds to make big nests while	use littler branches called			
twigs to make their nests. Birds use	nests a	s places of shelter where birds		

BIRDS THAT CAN FLY – SMALLER BIRDS – CAN LAY THEIR EGGS – THESE NESTS – CANNOT – MOST OF THEM – BROKEN BRANCHES



- Writing workshop in groups
- Identification of author's language choices (Participants)



### Reflections

- Time constrains and interruptions.
- Different reading abilities:

Reflections and feedback by students (questionnaire)

1. What did you learn today? I learn about occ/pallen/and Hower

2. Did the topic interest you?

4. Were the instructions of the activities clear and easy to follow?

5. Which part did you like the best?

6. What part did you not like?

7. Is there anything else you would like to tell us about our lesson?

The Flower grow up

Reflections and feedback by students (questionnaire)

- 1. What did you learn today? I learn that Symbiotic Teletianship
- 2. Did the topic interest you? When We were John the Sentence
- 3. Were the activities interesting? WISH WE SING OUT BOUCE
- 4. Were the instructions of the activities clear and easy to follow?
- 5. Which part did you like the best? Were we did Sheet/wood/water coloning
  6. What part did you not like? Ther want to part 1218 not like
- 7. Is there anything else you would like to tell us about our lesson? It was expert
  I like out want yall to come back Aromer Back