I went to Disney lab today. I did coding today. I had to go to the bathroom at the computers today.

Yes you did use the bathroom.
E. Melvin Honeycutt Elementary School

Teachers:
Doris Spencer  dorisspencer@ccs.k12.nc.us
Ashley Wise  ashleywise@ccs.k12.nc.us

Students:
55 Academically gifted 5th Grade Students
10-12 week class twice a week for 60 minutes
Students were introduced to programming by using Scratch.

Students created an All About Me project with Scratch.
Introduction to Alice

Students were shown the video Pair Programming
Introducing Garfield Tutorial to Students

http://www.alice.org/HourOfCode/introduction.html

Good Vibrations

Jim Davis Greeting

Tutorial overview
Students were given:

1. Hard copy of Professor Garfield's Alice tutorial
2. Links to Garfield video tutorials
3. Completed Garfield tutorial (approximately 1 60 min class). Those that finished early were allowed to explore and add to their Garfield world.

Scene Setup  Coding Animation
1. Students did a novel study of Island of the Blue Dolphin in their regular classroom.
2. We met with students twice a week for 60 minutes.
   (1 session with Mrs. Spencer & Mrs. Wise, 1 session with only Mrs. Wise)
3. Students were divided into pairs.
4. Downloaded Alice on flash drives.
5. Assigned 1-2 chapters per pair, to recreate in Alice.
6. Joined the Edmodo Group for sharing of files.
7. Symbaloo link for help videos
8. Students had access to book Learning to Program with Alice
9. Students had access to materials from Duke's Alice workshop
Alice Survey

- Did you enjoy using Alice?
  - Females yes 91.7%
  - Females no 8.3%
  - Males yes 86.7%
  - Males no 13.3%

- Was using the Garfield tutorial first helpful?
  - Females yes 54.2%
  - Females maybe 37.5%
  - Females no 8.3%
  - Males yes 86.7%
  - Males maybe 13.3%
  - Males no 0%

- Will you continue using Alice?
  - Females yes 58.3%
  - Females no 41.7%
  - Males yes 46.7%
  - Males no 53.3%

- Do you think using Scratch before using Alice was helpful?
  - Females yes 66.1%
  - Females maybe 29.2%
  - Females no 4.7%
  - Males yes 86.7%
  - Males maybe 13.3%
  - Males no 0%

- Would you consider pursuing more Computer Science after using Alice?
  - Females yes 33.3%
  - Female not sure 54.2%
  - Female no 12.5%
  - Male yes 26.7%
  - Male not sure 66.6%
  - Male no 6.7
What did you think about Computer Science before using Alice?

It was not as fun

I didn't really like it.

I didn't really like it.

I guessed I thought it was boring and I only liked game websites.

It was not as fun because of no new experience.

I thought it was impossible and you had to be Einstein to do it.

I didn't really like it.

I thought it was boring and complicated and too hard for me to do.

Well I actually did not know what programming was before, I thought all about how I use not how it works.

I thought it was going to be a lot different. I thought it was going to be a lot harder than it was.

I thought it was impossible and you had to be Einstein to do it.

I thought it was a waste of time and energy.
What do you think about Computer Science after using Alice?

Now I think I like it is awesome!

I think a lot of people can do it and it isn't as hard as I thought. Now I think it is fun and exciting.

I thought different after I thought it was ok. I realized that Computer Science was a lot easier than it seemed.

It was amazing and I wanted to use it more. I think more about it and learning more.

I think now I see it as a whole new idea of opportunities! I think it's very interesting and I think I would like to learn more about it. Now it is much funner because of Alice.

I will share Alice with my mom, dad, and my brother (I will tell them how to use Alice). It is very fun, especially at your own house, when you can just goof off.
What was the most difficult part about using Alice?

The number 1 answer was making the objects move more naturally (having to do individual parts)!

Fixing the bugs.

Making the people move and making the camera move at the correct angle. It was difficult to do this because the controls were not easy to use :(

I think getting the picture on your head to the screen, like the idea is fine it is just every little detail.

The hardest part was getting all of the dimensions right and making sure all of it was saved and in the right spot.
Island of the Blue Dolphin

Completed Projects

Students engaged with Alice - 10 minutes

Thompkins Class - 15 minutes

Buss's Class - 10 minutes
**Plus**

Students were engaged
Students were not afraid to try different things, and grasped Alice quickly.
Few students were off task.
Students worked well together w/partners were willing to help classmates.

Edmodo was great for sharing files with students.

**Delta**

Not able to install on local machines
Some laptops would not recognize flash drives
If a partner was absent and they had not used a school flash or only uploaded to their Edmodo account, the partner present did not have access to project.

Teacher needs more practice in Alice!
Student Suggestions for Next Year

Maybe do more tutorials like the Garfield tutorials. Other than that I think it was taught well.

- Make a power point on how to walk and the difference between 'roll' and 'turn'.
- You should have the students do the Garfield tutorial first and then set them free.
- Show the students next year how to make people or objects show and not show at different parts of their movie.

No! You taught it so good that I am engaged in whatever else you have to teach me this year.

- Let the students do a creative project with Alice.
- Maybe give out a sheet like the walking one just how to pick up things because Andrea and me spent quite some time on Karana picking up a rock.