

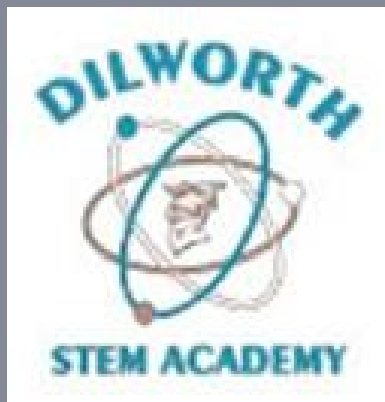
NCLAB for Dilworth

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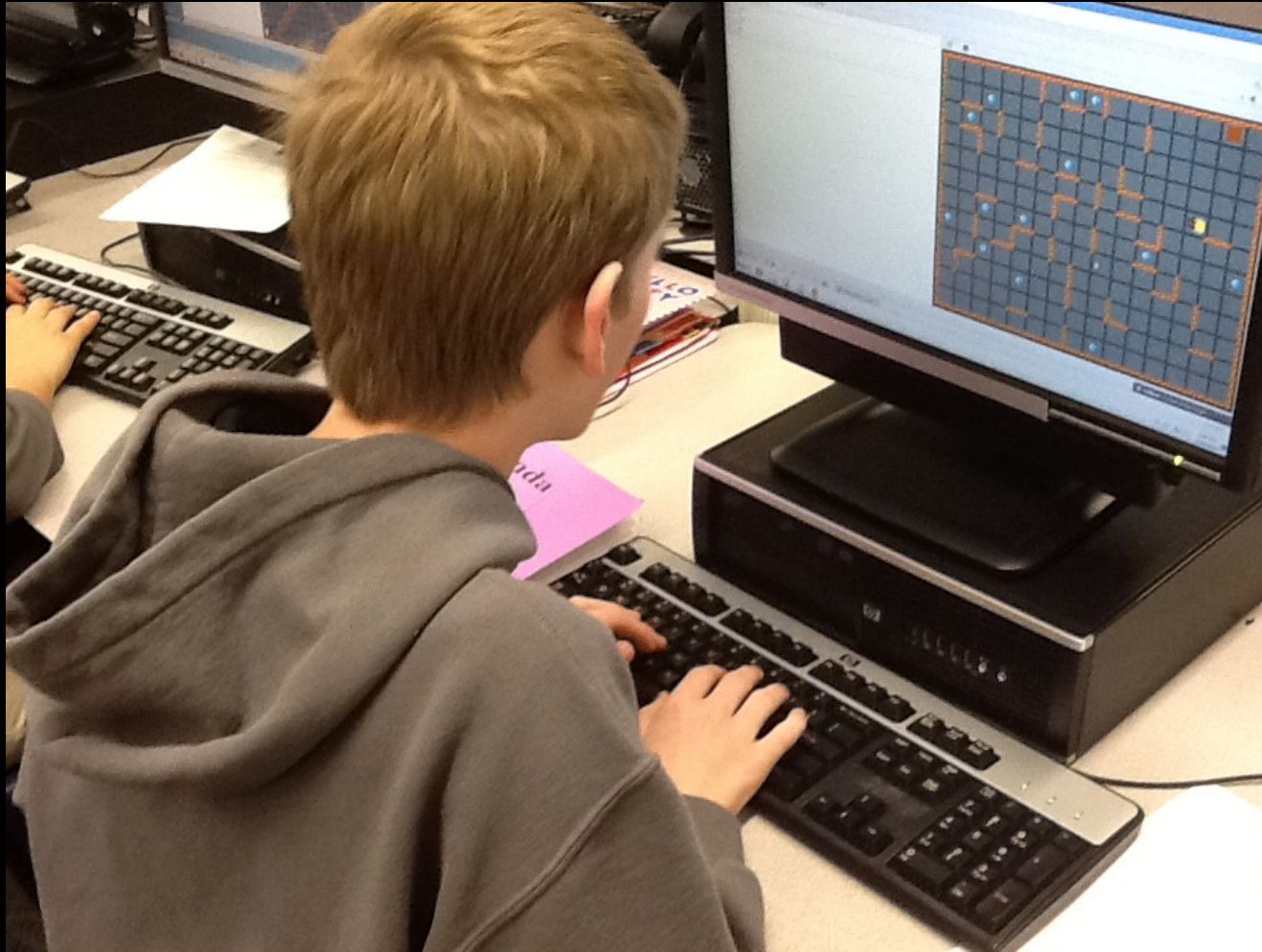


College of Science
University of Nevada, Reno

Why NCLAB for students?

- Exciting and addictive computer programming game for scholars at Dilworth, it actually gets them EXCITED about math!
- Different from the every day computations and inquiry problems presented in math class
- Gives scholars an idea as to what is possible for their futures
- Allows the students to use their imagination while producing algorithms which enhances their mathematical competency
- Geometric software enables the scholars to create figures, charts, and other graphing capabilities which is now Common Core Standards
- Having the ability to use an advanced program at this level opens the doors for these scholars that they do not have availability to at home

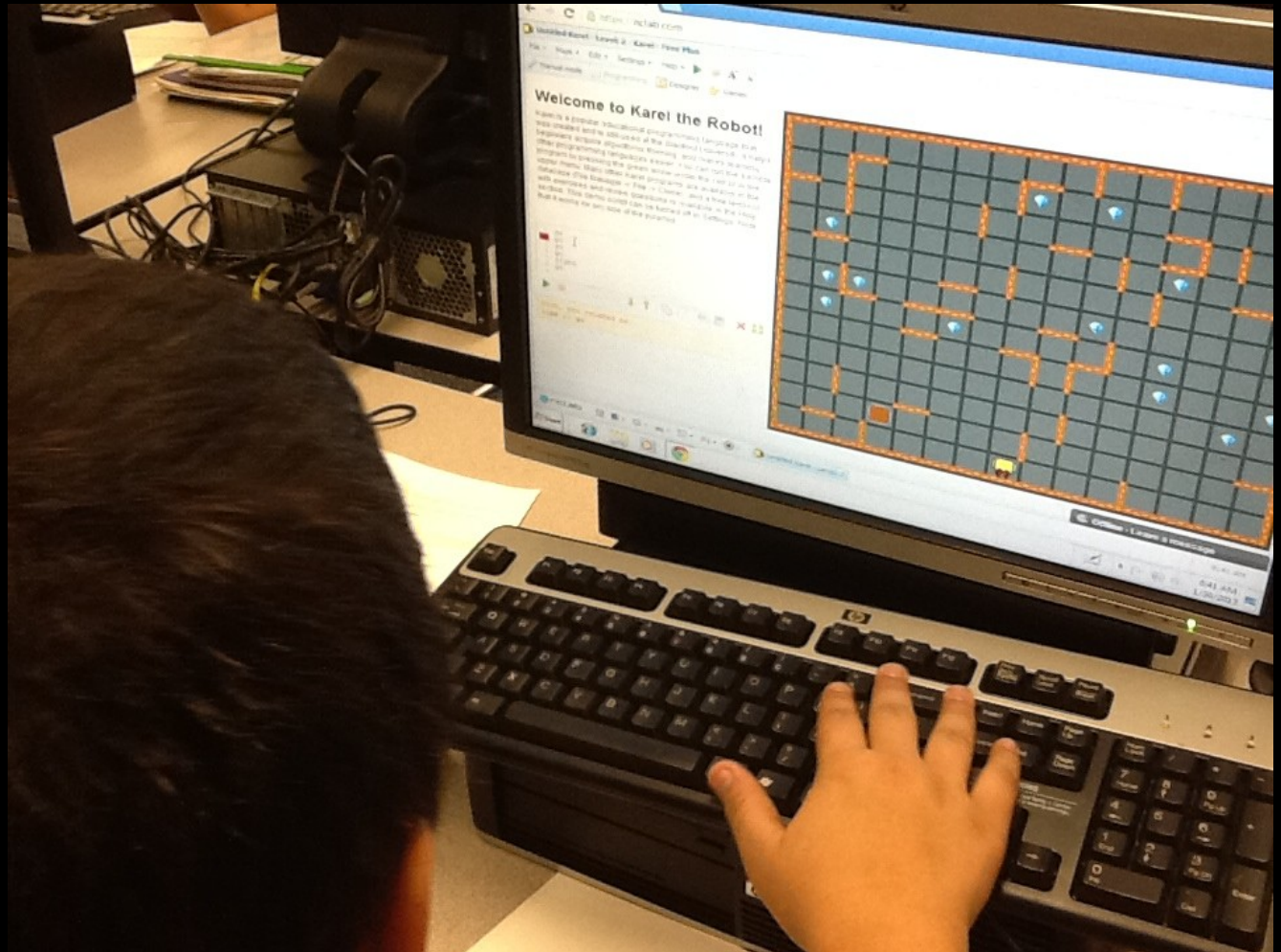
Technology Abound



“So it’s almost like we are in charge of the program and with the right tools we can actually make this stuff happen!”

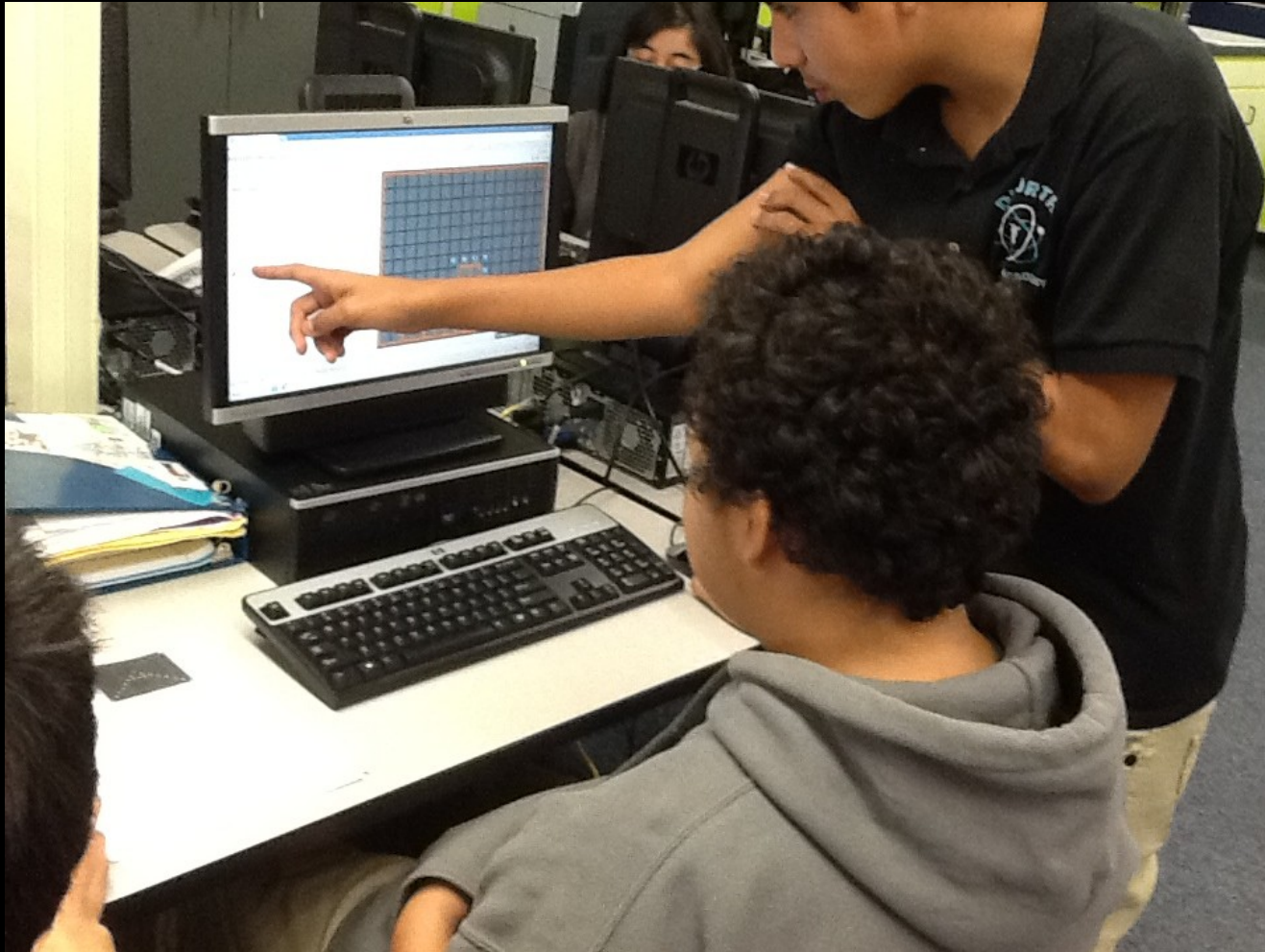
Karel the Robot

“Why isn’t the command I want working right? I know I can figure it out.”



Assisting Friends

“I actually got it
so I wanted him
to get it too.”



Availability

“I just wish we could do stuff like this more often then I might actually care about learning the stuff in class.”



Enthusiasm!



“Can we come in at lunch and keep working on our maze? I’m almost there!”

Teacher's Desk

“Thank you for letting me use the teachers desk so I didn't have to share a computer.”



Large Classes



"This is so cool, when can we work with this lab stuff some more?"

Moral of the Story...

- Our scholars were energetic about this new way of applying previously learned skills while integrating that with new ideas and brand new technology
- The increase in the WANT to learn went up tremendously in just one day
- Our dilemma. We have two computer labs for the entire school
 - 60 computers for 600 students
 - We do have iPads (class sets) but they do not support a lot of functions
 - We have only 28 graphing calculators for the entire school, with Common Core, technology is a necessity to be successful
- NCLAB allows our scholars to explore their learning in multiple ways
- We are so excited about NCLab and the collaboration with the UNR College of Science. This technology is opening the door to STEM for many of our students!