

Spiral

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Emerging Technology



What is Spiral?

- Spiral is an awesome suite of tools for classroom based collaborative learning with 1:1 devices. Teachers use Spiral to engage student learning through tools called Clip, Quickfire, Discuss, and Team Up.
- Spiral's functions include teacher-led activities, planning, student portfolios, grading, group projects, note taking, assignments, and formative assessments.
- <https://spiral.ac/>

What is Spiral continued...

Click the video below to learn more about this interactive tool.





How will the emerging technology support the vision for technology use in our school?

- ▶ Our vision at Harmony-Leland Elementary School is develop a team that focuses on and understands the importance of student-centered learning.
- ▶ It is our goal to increase academic skills where students meet or exceed grade level (with special emphasis on English Language Arts and Mathematics).



How will the emerging technology support the vision for technology use in our school? Continued...

- ▶ Appropriate for grade levels 3-12 and can teach using any subject. Students will be motivated to explore and learn which results in higher order learning and scores.
- ▶ The best strategy to ensure equitable access would be to designate one classroom in every grade as pilots.

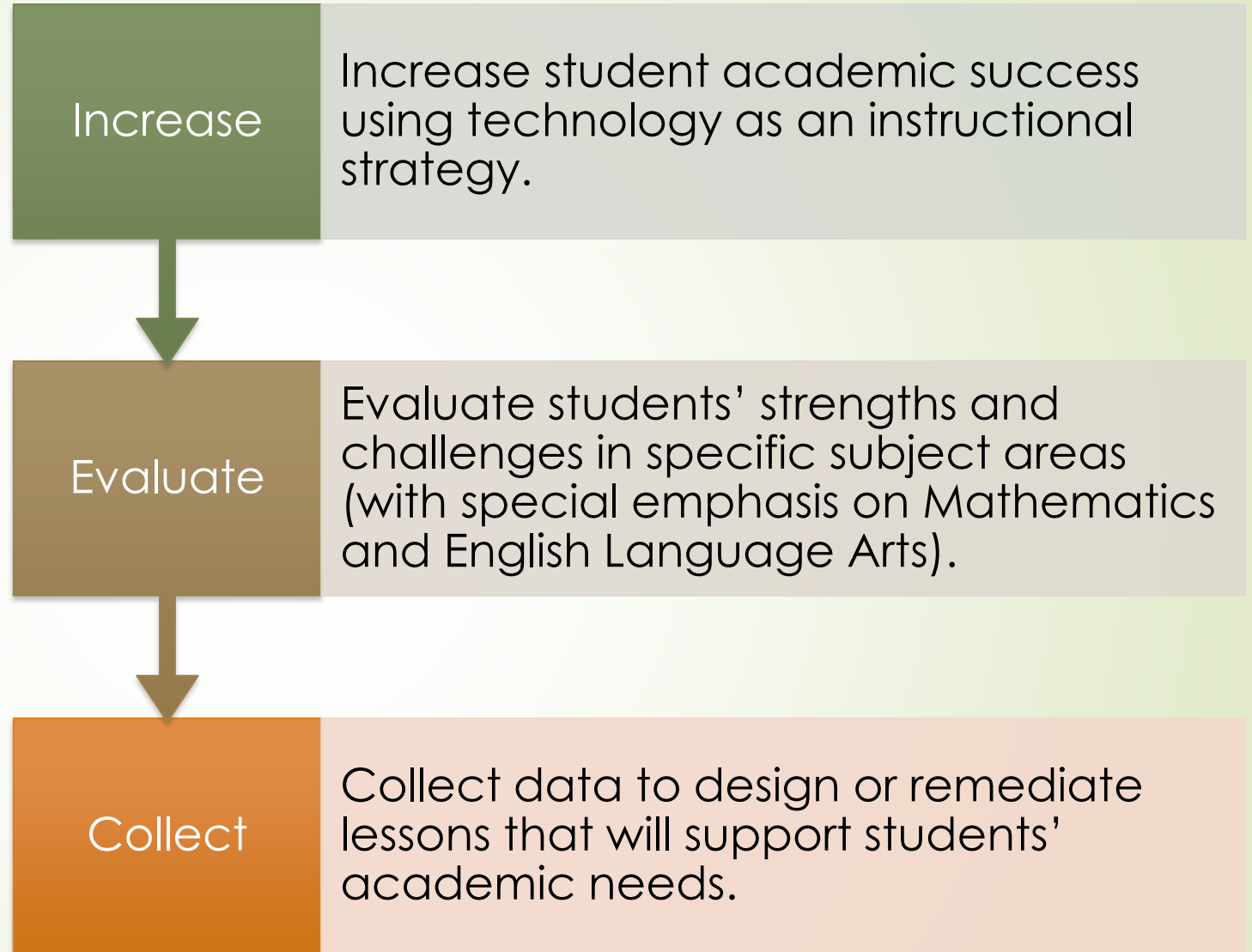


Target Population

- Harmony-Leland Elementary School is a Title 1 school with roughly 663 students: approximately 64 % qualifying for free and reduced lunch; 14% with limited English language proficiency; and 10 % with disabilities.
- Every teacher has a laptop, access to an iPad, 5 desk tops in their classroom, and a smart board.
- Spiral benefits 3rd -5th grade.
- Since it is a 1:1 model, access to the internet is a requirement and teachers would either need to use laptop carts, go to the Technology Café, or allow Bring Your Own Devices (BYOD) in the classroom.



Objective



Benefits of Spiral



Easy to create and adapt lessons as needed.



Students can learn at their own pace.



Authentic learning for all students.



There are different ways for students to use technology to communicate with their peers and express their learning (typing in responses during discussions, choosing multiple choice answers, working in teams for group assignments, drawing pictures to express answers, etc.)

Benefits of Spiral continued...

Teachers will enjoy this tool more because it includes grading for some of the assignments which saves teachers a lot of time that can be used for working with students.

It also keeps track of grades for each assignment for every student.

You can create and use for multiple classes, just type in a new class name and add your students.

Software and Equipment

- ▶ Access to learning devices with wireless capabilities is needed.
- ▶ The great thing about this tool is that nothing has to be downloaded.
- ▶ All the teacher needs to do is create an account and students can connect using a code provided by the teacher.
- ▶ There is no need for equipment such as microphones or headphones.





Limitations



- Spiral is completely safe for students being that only the teacher has access to student work and students are only interacting with assignments/projects assigned by the teacher.
- No outside communication is available for students. Teacher has all power to control what students see and do.

Technical Support for Spiral?

Spiral has tutorial videos to support teachers in creating engaging activities for their class. Click the links below to see an example of how each tool works.

- ▶ Create Clip - <https://www.youtube.com/watch?v=4xy3niGf3U4&list=PLO6r78EkXFsM8JYmoZgpLHD2b1gJALIOM>
- ▶ Create Quickfire - www.youtube.com/watch?v=aLg_ckm5FDY&list=PLO6r78EkXFsNNOrYAfsVXGZGOBVE2JLPS
- ▶ Create Discuss - www.youtube.com/watch?v=ulg6lZcgXyA&list=PLO6r78EkXFsPhiPg5GXzTA-EeEOZIYcuP
- ▶ Create Team Up - www.youtube.com/watch?v=-9tEtEEArZw&feature=youtu.be&a=



Cost of Technology & Funding Sources

- The cost for this product is \$50 annually or \$5 per month.
- All teachers need to do to get started is sign up for an account and they're ready to go.
- [Donors Choose](#) is a great source for educators to use to receive funds for this product.
- [Go Fund Me](#) is also another option to raise funds.



How can teachers use technology in the classroom?

- ▶ Using all of the suite of tools in Spiral, teachers can design how they want to present and execute meeting content/technology standards.
- ▶ Teachers can use the emerging technology to introduce lessons by incorporating topic related videos including teacher made questions (questions embedded using the Clip tool).



How can teachers use technology in the classroom? Continued...

- ▶ Class projects and presentations working in teams (such as math) using the Team Up tool
- ▶ Discussion Forums using the Discuss tool
- ▶ Assessments using Clip and Quickfire tools



Promoting Student Learning Goals

- ▶ Students can evaluate their own work and make corrections (teacher can give feedback when students submit work and send the work back if it needs correction).
- ▶ Collaborative learning using videos to introduce a topic. Students can demonstrate what they have learned in a project-based, authentic learning experience that promotes higher-order thinking.
- ▶ Teachers can increase students' higher-order skills by posing high level questions for students to make connections to and answers.
- ▶ Design learning experiences that are authentic and student-centered

Differentiation



Students can work at their own pace and enjoy learning without feeling pressured to keep up



There are different ways to assess student learning to better adapt to students' needs



Team collaboration/Peer tutoring is used to build learning and enhance higher order thinking skills



Visual aides are accessible to assist students' needs



Communication

- ▶ There is student-student interaction using discussions, assignments, and projects
- ▶ Teacher-student interaction using discussions and assignments
- ▶ Teachers can choose to share and student work with parents during conferences
- ▶ Teacher can choose to share work outside of classroom (peers and larger community) for ongoing learning purposes



Research Evaluation

- ▶ “Engaging, easy-to-use tool that supports both formative and summative assessment while allowing for student collaboration.”
(Common Sense Education, 2019)
- ▶ “Spiral allows teachers to freely create learning activities that inspire the four C's -- creativity, communication, collaboration, and critical thinking -- while promoting understanding and accountability.”
(Common Sense Education, 2019)
- ▶ Spiral was chosen for [Top Pick for Learning](#) in 2017 by Common Sense Education and have received several great reviews from teachers all over the world on social media places like Twitter and Facebook.



Implementation Plan



- ▶ Implementation can be held through workshops to introduce the engaging technology tool.
- ▶ There could also be a training during planning time.
- ▶ The technology coach and team can easily assist teachers who may need additional help. Teachers can schedule appointments with them to discuss concerns and instructional goals for their classroom.



Reflection

- Spiral a great technology tool that teachers can be creative and promote collaborative learning with.
- It is user friendly and doesn't require much training. The tutorial videos are very support and shows several ways to support your students in becoming intrinsic learners.
- Having the ability to create multiple classes and save their graded work is a great perk. It makes it a lot easier to keep track of work and collect data for things like IEP meetings and parent conferences.
- I am confident that teachers in our school will quickly adapt to and enjoy using this emerging technology. It will help support our school's vision while allowing integration of technology to impact learning.



Works Cited

Common Sense Education (2019). *Evaluations*. Retrieved from <https://www.commonsense.org/education/website/spiral>

Spiral (2016, August 30). *Collaborative learning with Spiral*. Retrieved from <https://youtu.be/YRqH2ZyPcX4>

Spiral (2019). *Tutorial videos*. Retrieved from <https://spiral.ac/>