



# Upper Arlington Schools Report

Learning Technologies Survey

May 1, 2019 - May 11, 2019

## Introduction

This Multi-School Report (MSR) provides you with an analysis of data from multiple Learning Technologies Surveys (LTS). Each report identifies trends in teacher and student practices related to the use of technology, including:

- Apple program engagement and device use
- Teacher sense of preparation and future professional learning goals
- Teacher perceptions of technology
- Frequency of the Elements of Learning
- Frequency of common student learning products

Your Multi-School Report presents this data in three forms. Donut charts show teacher demographics, program engagement, and device use in percentages. Staggered bar charts provide aggregates of all survey respondents. These visuals can help you identify significant trends among all teachers. Jitter plots present the average of each school on a given scale. These visuals can help you identify common trends and outliers among all schools.

Use this research-based report to make the most out of your investment with Apple. Consider using these results to create strategic professional learning plans, to set measurable instructional goals, and to develop deeper learning experiences for your students. Additional information and educational resources are included throughout the report to help interpret the results and identify next steps.

## Learn More

To learn more about the Learning Technologies Survey and other Apple Education offerings, contact your Apple Education representative.

## Participating Schools

8 surveys were collected from your district, with 180 teachers responding. All teachers' responses are anonymous and non-personally identifying.

<b>Results</b>	<b>Total responses</b>	<b>Open Date</b>	<b>Close Date</b>	<b>Survey Code</b>
BARRINGTON ELEMENTARY SCHOOL	37	2019-04-19	2019-05-01	905294439
GREENSVIEW ELEMENTARY SCHOOL	20	2019-04-19	2019-05-01	888543938
HASTINGS MIDDLE SCHOOL	22	2019-04-19	2019-05-01	310966671
JONES MIDDLE SCHOOL	30	2019-04-19	2019-05-01	332983895
TREMONT ELEMENTARY SCHOOL	5	2019-05-08	2019-05-11	272374761
UPPER ARLINGTON HIGH SCHOOL	35	2019-04-19	2019-05-01	789984058
WICKLIFFE PROGRESSIVE CMNTY SC	13	2019-05-08	2019-05-11	480373541
WINDERMERE ELEMENTARY SCHOOL	18	2019-04-19	2019-05-01	534253960

Total responses: 180

Total surveys: 8

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## About

An essential step in interpreting survey results is knowing who the data represents. Page one of your Multi-School Report provides an overview of all respondents to the LTS surveys included in this report, their involvement in Apple Teacher and coding, and which devices are in use. To respect the privacy of survey takers, individual responses are not personally identifiable.

## Interpreting the Results

Respondents were asked to identify their subject area and grade level, their current Apple Teacher status, and if they're currently teaching coding. Respondents were able to choose multiple subjects and levels. Teachers and students may use more than one device, and these measures represent the primary device used for teaching and learning.

## Guiding Questions

How are teachers recognized for what they've learned? How can you leverage the foundational skills built through the Apple Teacher program? How can learning to code support your students? Which part of the Everyone Can Code curriculum best supports their current understanding and skill level?

## Next Steps

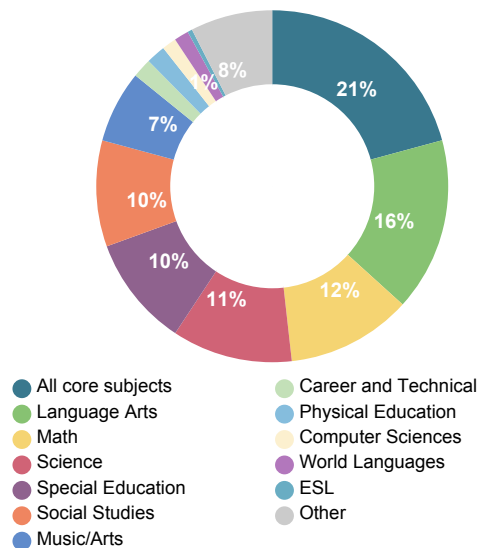
Apple Teacher is a free professional learning program designed to help educators build skills on iPad and Mac.

[appleteacher.apple.com](http://appleteacher.apple.com)

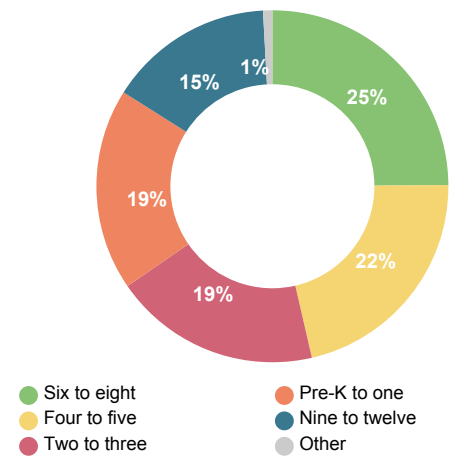
Discover the comprehensive Everyone Can Code curriculum, designed to help teach coding to students from kindergarten to college. Coding teaches skills like critical thinking and problem-solving.

[apple.com/everyone-can-code](http://apple.com/everyone-can-code)

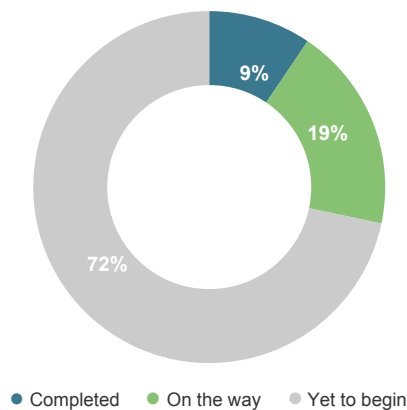
### Subject areas



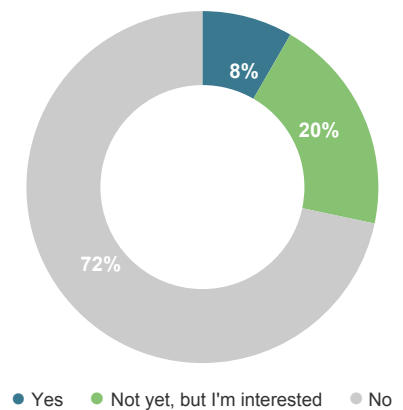
### Levels



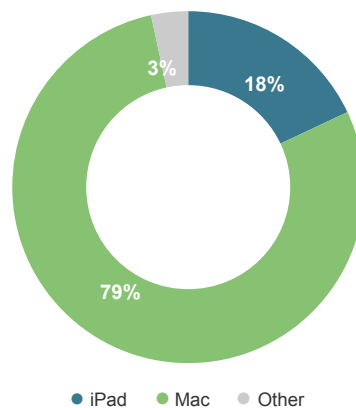
### Apple Teacher



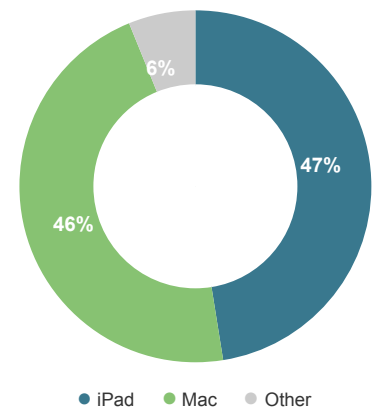
### Teach coding



### Teacher device



### Student device



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## About

Technology provides new and sometimes intimidating opportunities for teachers. A positive sense of preparation is an important step in building teacher confidence with new tools. Page two of your Multi-School Report provides an overview of preparedness at the respondent and school levels, and identifies the top professional learning goals.

## Interpreting the Results

The bar charts represent aggregated answers from all survey respondents. Above, respondents were asked to identify their sense of preparedness for teaching with technology. This bar shows the percentages of respondents on the preparedness spectrum.

The jitter plot represents the average sense of preparedness from each of the schools in this report. There's no value associated with the y axis, and preparedness increases from left to right along the x axis. Use this graph to identify multi-school trends and outliers.

Below, respondents were asked to identify their level of interest in technology-related professional learning topics. The bars show the aggregated levels of interest, presented in rank order.

## Guiding Questions

What changes do you want to see over the next six to nine months? Are school averages similar or disparate? How do results align with your current professional learning plan?

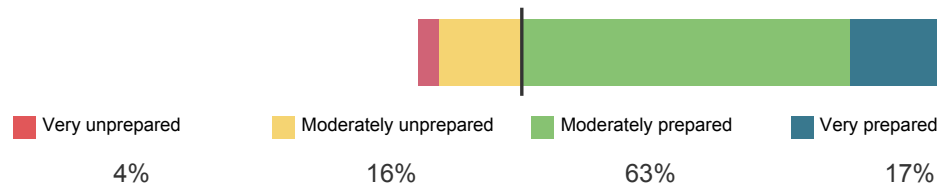
## Next Steps

Apple offers content and programs designed to advance teacher technology skills and focus on instructional innovation.

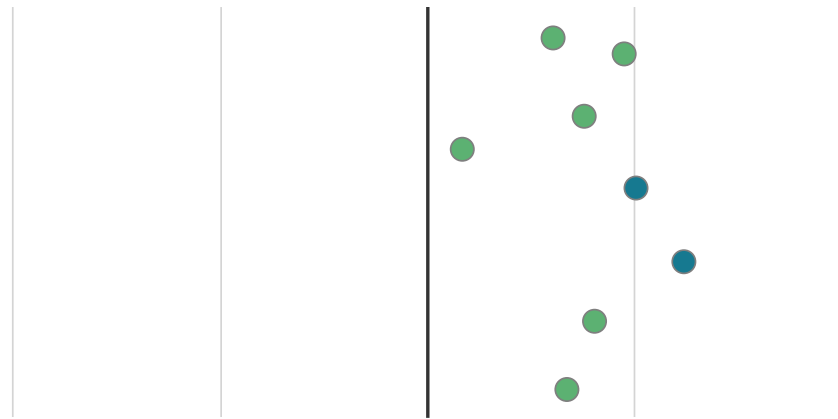
[apple.com/education](http://apple.com/education)

## Teachers' sense of preparedness for teaching with technology

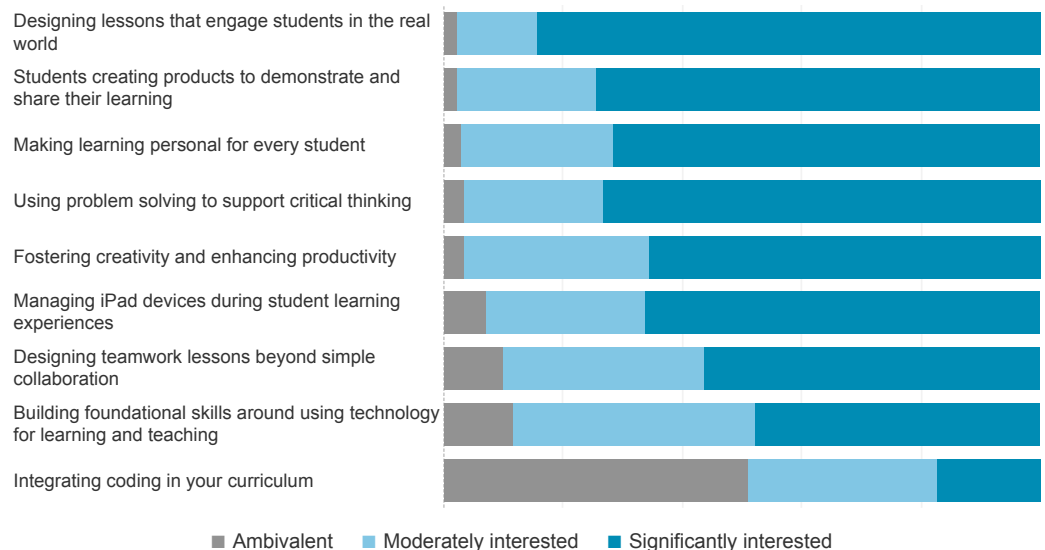
### All teacher's responses



### School average responses



## Professional learning goals with technology



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## About

An important step in technology integration is identifying where teachers see opportunities and challenges. Page three of your Multi-School Report can help focus leadership conversations on specific and actionable topics.

## Interpreting the Results

To measure perceptions of technology, respondents were asked to identify their level of agreement with technology-focused statements. The top bar chart represents the percentages of agreement from all survey respondents.

The jitter plot aggregates responses at the school-level. There's no value associated with the y axis, and perception increases from left to right along the x axis. Use this graph to identify multi-school trends and outliers.

Next, all responses are aggregated and organized by grade level. These bars show the levels of agreement in rank order, from highest to lowest. Respondent percentage is listed next to each level. Use this graph to identify variations in technology perceptions among teachers at different grade levels.

Below, each technology statement is organized in rank order, representing the aggregate from all survey respondents.

## Guiding Questions

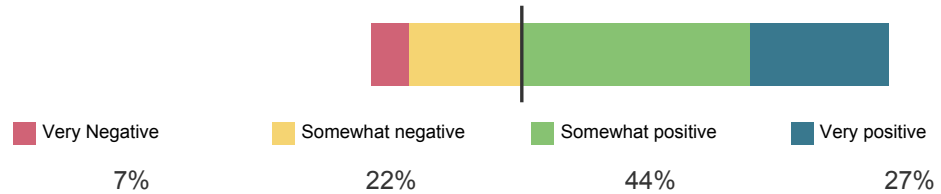
How well do these results align to your vision for technology integration? Are grade level and school averages similar or disparate? Where are the opportunities and challenges?

## Next Steps

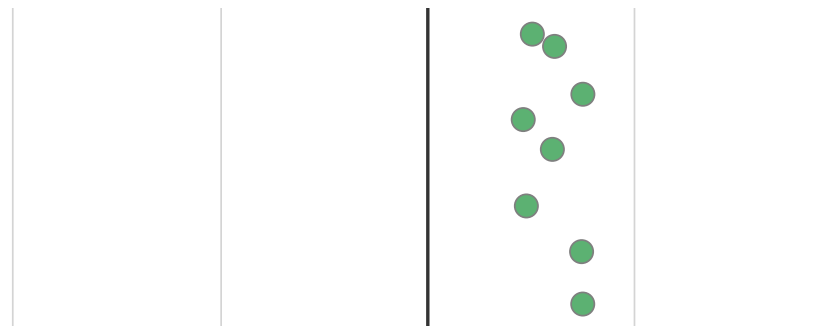
Innovate on your vision and culture with the Elements of Leadership. [apple.co/elementsofleadership](http://apple.co/elementsofleadership)

## Teacher perception of technology

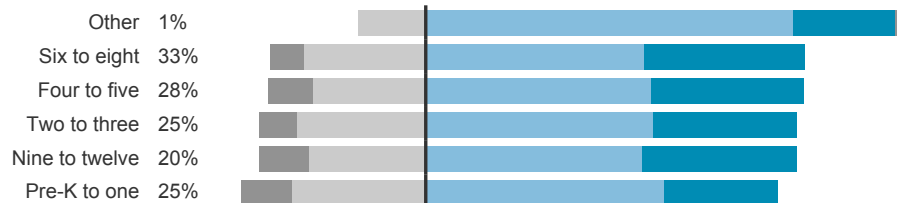
### All teacher's responses



### School average responses



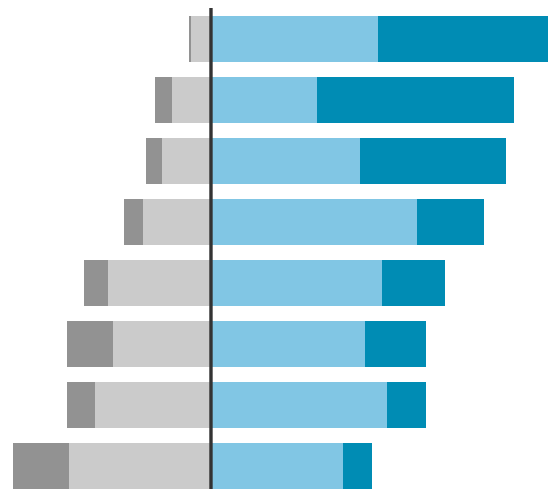
### Perception by level



## Teacher perception details

- Students create more professional-looking products with technology than with other traditional media.
- Technology makes it easier to manage my students' grades.
- Technology makes it easier to manage my classes' assignments and projects.
- Technology helps students grasp difficult concepts in your curriculum area.
- Students put more effort into their assignments when they use technology.
- Students are more likely to remain on task if they're using technology.
- Students are able to manage their own learning with technology.
- Students interact with each other more while working with technology.

■ Strongly disagree ■ Somewhat disagree ■ Somewhat agree ■ Strongly agree



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## About

We've found that innovative leaders can connect their vision for learning with the potential of technology. And through our work with education researchers, we've identified five elements that support deeper learning with Apple technology. Consider which of these elements support your vision for learning.

Next, consider how student products provide insights into their learning experiences. Taken together, page four of your Multi-School Report provides data-based insights into the learning and teaching experiences across all schools in this report.

## Interpreting the Results

To measure the elements and student products, respondents answered more than 20 questions about their students' learning experiences. Analysis of the elements was based on work by researchers at SRI Education.

These jitter plots aggregate responses at the school level. The y axis represents frequency, with higher values being more frequent. The x axis presents question categories in descending order. Use this graph to identify alignment of student learning to your vision for teaching and technology integration.

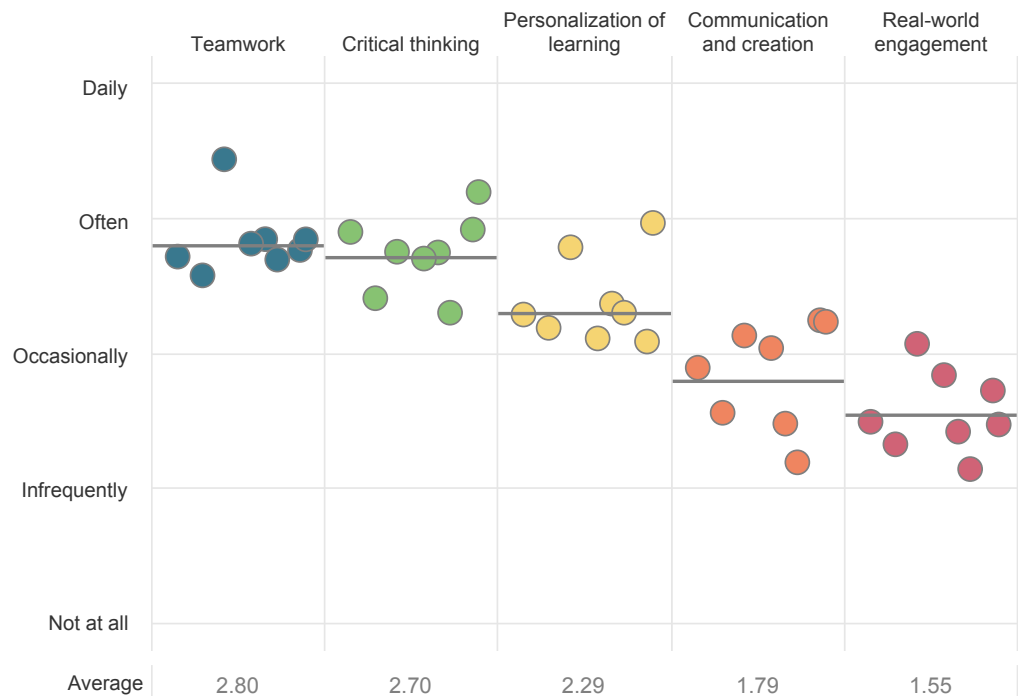
## Guiding Questions

Which elements are most important for your students? How can student products demonstrate creativity and support formative assessment?

## Next Steps

Download the Elements of Learning book for examples and rubrics that support innovative, research-based lesson design with Apple. [apple.co/elementsoflearning](http://apple.co/elementsoflearning)

## Elements of student learning by frequency



## Student product frequency

