

## Grades K-5 Computer Hardware Considerations

As children progress through the education system, their physical and educational needs grow with them. Purchasing technology devices is an investment in each student's education and in each teacher's capability to deliver meaningful learning experiences.



### **Lower Elementary: Grades K-2 (ages 4-8)**

The early elementary grade levels lay an important foundation for learning. This is an important time to encourage interaction with technology and collaboration with peers using purposeful, hands-on activities that help young students understand subject matter while developing motor skills.

Educational apps and 2-in-1s inspire learning in young children through touch, audio, text, and video activities that draw attention to content with simple prompts and instructions.

#### **Student device choices:**

- **2-in-1s with touch or pen input** allow students to collaborate through exploration and investigation. Students can use them for one-to-one access, pair, or small group collaboration, and/or classroom cart mobility.

#### **Educator device choices:**

- **Mobile, full-featured 2-in-1s** help teachers manage their classrooms and communications efficiently, create and prepare curriculum and digital content, and have a reliable connection to their personal learning communities and access the school's network, cloud, and LMSs from anywhere.



### **Upper Elementary: Grades 3-5 (ages 8-11)**

In upper elementary grades, teachers incorporate a variety of teaching methods and students increase mastery of basic knowledge and skills. Teachers may integrate digital learning practices with a mix of teacher- and student-led activities where children take the lead and complete work together.

For this age group, technology is a useful tool to incorporate diagnostic applications and platforms which allow for regular monitoring of student progress, collecting and analyzing student data, and providing personalized instruction plans.

#### **Student device choices:**

- **Chromebooks and 2-in-1s** are best for this age group. Students are ready for tasks and assignments involving keyboard and mouse interaction.

#### **Educator device choices:**

- Educators need a **mobile, full-featured 2-in-1 or laptop** that enables them to manage their classrooms and communication efficiently while providing access to ongoing learning opportunities and the school's network. Source: Intel.com