Strand:

Research

Students will learn about using technology for research.

Big Ideas

❑   Research can expand significantly through the use of technology.

Key Outcomes

Students will demonstrate an understanding of **using technology for research** by being able to:

❑   Explain and demonstrate effective searching and browsing strategies when working on projects.
❑   Collect, organize, and analyze digital information from a variety of sources, citing sources.
❑   Use a variety of computing devices (digital cameras, scanners) to collect, analyze and present information for curriculum assignments.

Essential Knowledge and Skills

As students progress from grade six to grade eight their skills in these areas will move from exploratory toward mastery.

Technology instruction at all grade levels should be planned in conjunction with the classroom teachers.

Strand:

Problem Solving

Students will learn how to use technology tools to solve problems.

Big Ideas

❑ Technology can support the use of higher order thinking skills to solve problems.

Key Outcomes

Students will demonstrate an understanding of **using technology to solve problems** being able to:

❑ Independently use appropriate technology tools to define problems and propose hypotheses.
❑ Use and modify spreadsheets to analyze data and propose solutions.
❑ Develop and use guidelines to evaluate the content, organization, design, use of citations, and presentation of technologically enhanced projects.

Essential Knowledge and Skills

As students progress from grade six to grade eight their skills in these areas will move from exploratory toward mastery.

Technology instruction at all grade levels should be planned in conjunction with the classroom teachers.

Strand:

Communication

Students will use technology to communicate with others.

Big Ideas

❑ Technology can be used to communicate and work with others to support student learners and to contribute to the learning of others around the world.

Key Outcomes

Students will demonstrate an understanding of **communicating with technology** by being able to:

❑ Plan, design, and develop a multimedia product to effectively present research findings and creative ideas, citing sources.
❑ Identify differences between various media and explain issues associated with repurposing information from one medium to another.
❑ Use a variety of telecommunication tools (e-mail, discussion groups, web pages, blogs…) to collaborate and communicate with peers, experts and others.

Essential Knowledge and Skills

As students progress from grade six to grade eight their skills in these areas will move from exploratory toward mastery.

Technology instruction at all grade levels should be planned in conjunction with the classroom teachers.