**The Great Computer Challenge, 2018**

***Desktop Presentations, Level IV***

# **Background of Challenge**

STEM (Science, Technology, Engineering & Math) Programs are a new, popular concept being adapted by middle and high schools across the country. By exposing students to STEM and giving them opportunities to explore STEM-related concepts, the hope is that students will develop a passion for these courses and pursue a career in a STEM-related field. STEM education also helps to bridge the ethnic and gender gaps sometimes found in math and science fields and must become a national priority in order for the United States to compete in a global economy.

**Your Challenge, is to develop a presentation to persuade a school board to adapt a STEM program for their school district and present 4 key facts about STEM that can be used to influence their decision**. Describe the benefits of starting an education program based in Science, Technology, Engineering & Math and how it can influence the future lives and careers of all students. Present at least one idea for an extracurricular activity that relates to STEM and how it can be incorporated into the curriculum. Incorporate visual and media examples for your argument and use examples of *your own experience* with one or more of these subjects and how it benefited you. Your presentation should be visually stimulating, informative and needs to deliver a well-rounded argument.

# **Guidelines & Requirements**

**PowerPoint Presentation Requirements:**

* The PowerPoint presentation must be no longer than 10-15 minutes and have between 15 to 20 slides.
* The PowerPoint presentation slides must be advanced manually if text-based or advanced automatically if based on narration (advance automatically at the end of each slide’s audio).
* The full text of what should be narrated by the presenter for each slide must be in the notes section of the PowerPoint presentation slide.
* The presentation is required to have both a Title slide and Conclusion slide. The Title slide must have the name of the presentation and name of the school; the Conclusion slide must have the names of the team members and any references or citations to information used in the presentation.
* The presentation must fully cover the topic area.
* The presentation must have an appropriate template or background that is used in a consistent manner.
* ClipArt/graphics/photos must be included on at least 1/3 (33%) of the slides.
* Audio narration and/or video must be included on at least one slide.
* Consistent transitions are used between slides.
* At least one slide link is included in the presentation.
* Any text on a slide uses the 6x6 rule (no more than 6 lines and 6 words per line) or uses the 6 second rule (you can read the content of the slide in 6 seconds).
* Topic is relevant and of interest to the appropriate age group.
* The content must have a logical flow throughout the presentation.

Presentations will be judged in accordance with the attached guidelines.

**General Guidelines:**

* Be creative. Consider your audience.
* You may use scanned images, graphics, clip art, fonts (typefaces and sizes) and other multimedia to enhance the presentation. Design and layout of the presentation will be judged, as well as the quality of writing, so do be sure to use a spellchecker and check for grammatical errors.
* Sequencing of the information is very important in Desktop Presentations. Pay attention to the flow of ideas in your presentation.
* Presentations will be judged in accordance with the attached guidelines.

# **Judging Criteria**

* You will be judged on the following criteria:
* Following guidelines (Are there 15-20 slides? A Title slide and Conclusion slide?)
* Topic relevance and accuracy of the content
* Spelling and grammar
* Sequencing of the information
* Originality/creativity
* Text and font selection/formatting
* Background used in slides
* Functionality of link(s) (work correctly, link to correct location)
* Slide navigation and transition (text slides move forward manually; narrated slides move forward automatically; transitions are consistent)
* Visual presentation
  + Use and effectiveness of graphics
  + Graphics sources (original or compliant with copyright)
* Audio/video presentation
  + Appropriate use and quality of digital photos
  + Appropriate use of sound and/or video (if used)

# **SOL Correlation**

C/T 6-8.7

Plan and apply strategies for gathering information, using a variety of tools and sources, and reflect on alternate strategies that might lead to greater successes in future projects.

A. Use various technology and digital resources to collect information.

• Conduct research using various types of text- and media-based information.

• Use various types of content-specific technology to gather data and information.

B. Use search strategies to retrieve information.

Apply effective search strategies that will yield targeted information.

• Identify indicators that a digital source is likely to be reliable.

C/T 6-8.9

Analyze, synthesize, and evaluate information based on source validity and the appropriateness to specific tasks.

A. Evaluate the accuracy, relevance, and appropriateness of electronic information sources.

• Use a variety of strategies to evaluate the accuracy of digital resources.

• Use various digital tools, such as graphic organizers, to analyze and synthesize data for learning tasks.

B. Use various digital tools to organize, analyze, and synthesize data for learning tasks.

• Use digital tools, such as graphic organizers, spreadsheets, and databases.

Have fun and thanks for participating in the Great Computer Challenge, 2018!