Head of School Survey  
Panama  
Private Sector Council for Educational Assistance (CoSPAE)

- Number of Participating Schools: 12  
- Number of Participants: 13

H.5 Your gender:  
- Male  
  7 (53.85%)  
- Female  
  6 (46.15%)

H.6 How many years have you been in your current job function?  
- Less than one year  
  2 (15.38%)  
- 1-5 years  
  5 (38.46%)  
- 6-10 years  
  4 (30.77%)  
- 11-20 years  
  2 (15.38%)  
- More than 20 years  
  0

H.7 Type of school:  
- Government/public  
  13 (100%)  
- Private  
  0

H.8 The school is:  
- A primary school  
  2 (15.38%)  
- A secondary school/high school  
  6 (46.15%)  
- A shared primary/secondary school  
  4 (30.77%)  
- A vocational school  
  1 (7.69%)  
- A post-secondary school (University or equivalent)  
  0

H.9 Where is the school located  
- The capital city of my country  
  4 (30.77%)  
- Another major urban area  
  7 (53.85%)  
- A town  
  2 (15.38%)  
- A rural area  
  0
H.10 How many students attend the school?
- 0-49
  0
- 50-99
  0
- 100-299
  1 (7.69%)
- 300-499
  2 (15.38%)
- 500-2000
  7 (53.85%)
- Over 2000
  3 (23.08%)

H.11 The average number of students in a classroom is:
- 0 - 9
  0
- 10 - 24
  0
- 25 - 49
  13 (100%)
- 50 - 74
  0
- 75 - 99
  0
- Over 100
  0

H.12 How often do you use a computer in school?
- Never
  2 (15.38%)
- Once a month
  0
- Once a week
  0
- Several times a week
  4 (30.77%)
- Every day
  7 (53.85%)

H.13 Are computers tested as a subject in national examinations (computer literacy, programming, etc.)?
- Yes
  3 (25%)
- No
  9 (75%)

H.14 Will your school acquire additional computer hardware in the next year?
- Yes, we plan to acquire a lot
  0
- Yes, we plan to acquire some
  9 (69.23%)
- No, we have no plans to acquire more equipment in the next year
H.15 Computer training for teachers is:
- Not available
  5 (38.46%)
- Available but not required
  5 (38.46%)
- Available and strongly encouraged
  2 (15.38%)
- Required
  1 (7.69%)

H.16 What are the challenges or concerns when using computers at school? (please select one response for each row of the question)

Electricity
- Not a challenge/concern
  7 (53.85%)
- Very minor challenge/concern
  1 (7.69%)
- Somewhat minor challenge/concern
  1 (7.69%)
- Somewhat major challenge/concern
  3 (23.08%)
- Very major challenge/concern
  1 (7.69%)

Lack of funds for hardware and software
- Not a challenge/concern
  0
- Very minor challenge/concern
  0
- Somewhat minor challenge/concern
  2 (15.38%)
- Somewhat major challenge/concern
  5 (38.46%)
- Very major challenge/concern
  6 (46.15%)

Lack of funds for telephone and Internet connectivity
- Not a challenge/concern
  1 (9.09%)
- Very minor challenge/concern
  0
- Somewhat minor challenge/concern
  4 (36.36%)
- Somewhat major challenge/concern
  2 (18.18%)
- Very major challenge/concern
  4 (36.36%)

Lack of funds for training
- Not a challenge/concern
  1 (8.33%)
- Very minor challenge/concern
<table>
<thead>
<tr>
<th>Challenge/Concern</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>No time for training for using ICT to enhance education</td>
<td></td>
</tr>
<tr>
<td>Not a challenge/concern</td>
<td>1 (10%)</td>
</tr>
<tr>
<td>Very minor challenge/concern</td>
<td>2 (20%)</td>
</tr>
<tr>
<td>Somewhat minor challenge/concern</td>
<td>2 (20%)</td>
</tr>
<tr>
<td>Somewhat major challenge/concern</td>
<td>5 (50%)</td>
</tr>
<tr>
<td>Very major challenge/concern</td>
<td>3 (25%)</td>
</tr>
<tr>
<td>Theft/vandalism</td>
<td></td>
</tr>
<tr>
<td>Not a challenge/concern</td>
<td>2 (16.67%)</td>
</tr>
<tr>
<td>Very minor challenge/concern</td>
<td>0</td>
</tr>
<tr>
<td>Somewhat minor challenge/concern</td>
<td>4 (33.33%)</td>
</tr>
<tr>
<td>Somewhat major challenge/concern</td>
<td>3 (25%)</td>
</tr>
<tr>
<td>Very major challenge/concern</td>
<td>3 (25%)</td>
</tr>
<tr>
<td>Lack of technical skills</td>
<td></td>
</tr>
<tr>
<td>Not a challenge/concern</td>
<td>1 (10%)</td>
</tr>
<tr>
<td>Very minor challenge/concern</td>
<td>2 (20%)</td>
</tr>
<tr>
<td>Somewhat minor challenge/concern</td>
<td>3 (30%)</td>
</tr>
<tr>
<td>Somewhat major challenge/concern</td>
<td>2 (20%)</td>
</tr>
<tr>
<td>Very major challenge/concern</td>
<td>2 (20%)</td>
</tr>
<tr>
<td>Lack of relevant content in my language</td>
<td></td>
</tr>
<tr>
<td>Not a challenge/concern</td>
<td>2 (20%)</td>
</tr>
<tr>
<td>Very minor challenge/concern</td>
<td>4 (40%)</td>
</tr>
<tr>
<td>Somewhat minor challenge/concern</td>
<td>2 (20%)</td>
</tr>
<tr>
<td>Somewhat major challenge/concern</td>
<td>2 (20%)</td>
</tr>
</tbody>
</table>
- Unwanted e-mail (Spam) -
  - Not a challenge/concern: 5 (45.45%)
  - Very minor challenge/concern: 1 (9.09%)
  - Somewhat minor challenge/concern: 2 (18.18%)
  - Somewhat major challenge/concern: 1 (9.09%)
  - Very major challenge/concern: 2 (18.18%)

- Not enough machines -
  - Not a challenge/concern: 0
  - Very minor challenge/concern: 1 (10%)
  - Somewhat minor challenge/concern: 3 (30%)
  - Somewhat major challenge/concern: 1 (10%)
  - Very major challenge/concern: 5 (50%)

- Not enough room for computer facilities -
  - Not a challenge/concern: 1 (10%)
  - Very minor challenge/concern: 2 (20%)
  - Somewhat minor challenge/concern: 2 (20%)
  - Somewhat major challenge/concern: 1 (10%)
  - Very major challenge/concern: 4 (40%)

- Offensive online material (for example, pornography) -
  - Not a challenge/concern: 4 (33.33%)
  - Very minor challenge/concern: 0
  - Somewhat minor challenge/concern: 0
  - Somewhat major challenge/concern: 4 (33.33%)
  - Very major challenge/concern: 4 (33.33%)

- Computer viruses -
  - Not a challenge/concern: 1 (10%)
• Very minor challenge/concern
  1 (10%)
• Somewhat minor challenge/concern
  1 (10%)
• Somewhat major challenge/concern
  2 (20%)
• Very major challenge/concern
  5 (50%)
Fear of technology among the teaching staff
• Not a challenge/concern
  0
• Very minor challenge/concern
  3 (27.27%)
• Somewhat minor challenge/concern
  1 (9.09%)
• Somewhat major challenge/concern
  4 (36.36%)
• Very major challenge/concern
  3 (27.27%)
Lack of funding to bring computers in Internet into schools
• Not a challenge/concern
  0
• Very minor challenge/concern
  0
• Somewhat minor challenge/concern
  1 (10%)
• Somewhat major challenge/concern
  2 (20%)
• Very major challenge/concern
  7 (70%)
Lack of clear policies for bringing computers and Internet into school
• Not a challenge/concern
  1 (10%)
• Very minor challenge/concern
  2 (20%)
• Somewhat minor challenge/concern
  1 (10%)
• Somewhat major challenge/concern
  3 (30%)
• Very major challenge/concern
  3 (30%)
H.17 Please describe the attitudes of the following people toward computers: (please select one response for each row of the question)
You
• Strongly dislike computers
  1 (7.69%)
• Moderately dislike computers
  0
• Neutral about computers
<table>
<thead>
<tr>
<th>Group</th>
<th>Strongly dislike computers</th>
<th>Moderately dislike computers</th>
<th>Neutral about computers</th>
<th>Moderately like computers</th>
<th>Strongly like computers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teachers</td>
<td>1 (7.69%)</td>
<td>0</td>
<td>4 (30.77%)</td>
<td>6 (46.15%)</td>
<td>2 (15.38%)</td>
</tr>
<tr>
<td>Your students</td>
<td>1 (8.33%)</td>
<td>0</td>
<td>0</td>
<td>1 (8.33%)</td>
<td>10 (83.33%)</td>
</tr>
<tr>
<td>Parents of students</td>
<td>1 (7.69%)</td>
<td>1 (7.69%)</td>
<td>3 (23.08%)</td>
<td>7 (53.85%)</td>
<td>1 (7.69%)</td>
</tr>
<tr>
<td>Other school administrators</td>
<td>1 (8.33%)</td>
<td>0</td>
<td>1 (8.33%)</td>
<td>3 (25%)</td>
<td>7 (58.33%)</td>
</tr>
</tbody>
</table>
H.18 How important are the following people and tools for improving learning in your school? (please select one response for each row of the question)

Teachers
- Not important
  0
- A little important
  0
- Somewhat important
  1 (8.33%)
- Very important
  5 (41.67%)
- Necessary
  6 (50%)

School administrators
- Not important
  0
- A little important
  0
- Somewhat important
  0
- Very important
  6 (50%)
- Necessary
  6 (50%)

Textbooks
- Not important
  0
- A little important
  0
- Somewhat important
  0
- Very important
  7 (58.33%)
- Necessary
  5 (41.67%)

Blackboard
- Not important
  1 (7.69%)
- A little important
  0
- Somewhat important
  3 (23.08%)
- Very important
  5 (38.46%)
- Necessary
  4 (30.77%)

Unique teaching materials prepared by teachers
- Not important
  0
<table>
<thead>
<tr>
<th>Category</th>
<th>Not important</th>
<th>A little important</th>
<th>Somewhat important</th>
<th>Very important</th>
<th>Necessary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Television/video</td>
<td>0</td>
<td>0</td>
<td>1 (8.33%)</td>
<td>1 (8.33%)</td>
<td>6 (50%)</td>
</tr>
<tr>
<td>Internet websites (including my school-run or personal website)</td>
<td>0</td>
<td>0</td>
<td>3 (23.08%)</td>
<td>5 (38.46%)</td>
<td>5 (38.46%)</td>
</tr>
<tr>
<td>E-mail</td>
<td>0</td>
<td>1 (8.33%)</td>
<td>2 (16.67%)</td>
<td>5 (41.67%)</td>
<td>4 (33.33%)</td>
</tr>
<tr>
<td>Educational software and CD-ROMs</td>
<td>0</td>
<td>1 (7.69%)</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>
7 (53.85%)
- Necessary
5 (38.46%)

Other materials (newspapers, art supplies, games)
- Not important
  0
- A little important
  1 (7.69%)
- Somewhat important
  2 (15.38%)
- Very important
  6 (46.15%)
- Necessary
  4 (30.77%)

H.19 How would you describe the roles of the following people in making the decision to put computers in your school? (please select one response for each row of the question)

You
- Not responsible
  0
- A little responsible
  0
- Moderately responsible
  0
- Very responsible
  2 (15.38%)
- A major decision maker
  11 (84.62%)

Teachers
- Not responsible
  0
- A little responsible
  0
- Moderately responsible
  2 (16.67%)
- Very responsible
  3 (25%)
- A major decision maker
  7 (58.33%)

Students
- Not responsible
  0
- A little responsible
  2 (16.67%)
- Moderately responsible
  0
- Very responsible
  6 (50%)
- A major decision maker
  4 (33.33%)
Parents
- Not responsible
  2 (18.18%)
- A little responsible
  3 (27.27%)
- Moderately responsible
  1 (9.09%)
- Very responsible
  2 (18.18%)
- A major decision maker
  3 (27.27%)

Local government officials
- Not responsible
  2 (15.38%)
- A little responsible
  0
- Moderately responsible
  3 (23.08%)
- Very responsible
  3 (23.08%)
- A major decision maker
  5 (38.46%)

National government officials
- Not responsible
  1 (7.69%)
- A little responsible
  3 (23.08%)
- Moderately responsible
  0
- Very responsible
  3 (23.08%)
- A major decision maker
  6 (46.15%)

Outside organizations (NGOs, corporations, etc.)
- Not responsible
  3 (23.08%)
- A little responsible
  1 (7.69%)
- Moderately responsible
  0
- Very responsible
  5 (38.46%)
- A major decision maker
  4 (30.77%)

H.20 How would you describe the role that computers play in your management of the school
- I do not use computers in the management of the school
  1 (9.09%)
- Computers play a small role in helping me to manage the school
  1 (9.09%)
- Computers play a moderate role in helping me to manage the school
  1 (9.09%)
- Computers play an important role in helping me to manage the school
  4 (36.36%)
- Computers are the most important tool I have to help me manage the school
  4 (36.36%)

H.21 How have computers impacted teaching in your school?
- They have had a very negative impact on teaching in our school
  0
- They have had a somewhat negative impact on teaching in our school
  2 (15.38%)
- They have not changed teaching in our school
  1 (7.69%)
- They have somewhat improved teaching in our school
  2 (15.38%)
- They have greatly improved teaching in our school
  8 (61.54%)

H.22 Has the overall impact of computers in your school been negative or positive?
- Extremely negative
  0
- Somewhat negative
  0
- Neither negative nor positive
  0
- Somewhat positive
  5 (38.46%)
- Very positive
  8 (61.54%)

H.23 Is the use of computers linked to a plan for changes or reform in curriculum content or the process of teaching and learning in your school?
- Yes
  9 (69.23%)
- No
  4 (30.77%)