

Child Portfolio Report Idea

I met a childcare teacher, talking about her daily difficulties and heavy workload on preparing child portfolio report.

We come up with an idea. The teacher wears a video camera, taking video during her teaching. The teacher would move the camera focus on a child, and say the child's name and a specific word (e.g. finger movement) about the child development when the teacher notices a valuable moment showing the child development. Then an application is required to capture video clips according to child's names and term of child's development, allow making notes on the video clips and distribute the video clips with notes to their parents or specific caregivers as a child daily portfolio report.

A summary and figures are given below for your reference.

Summary:

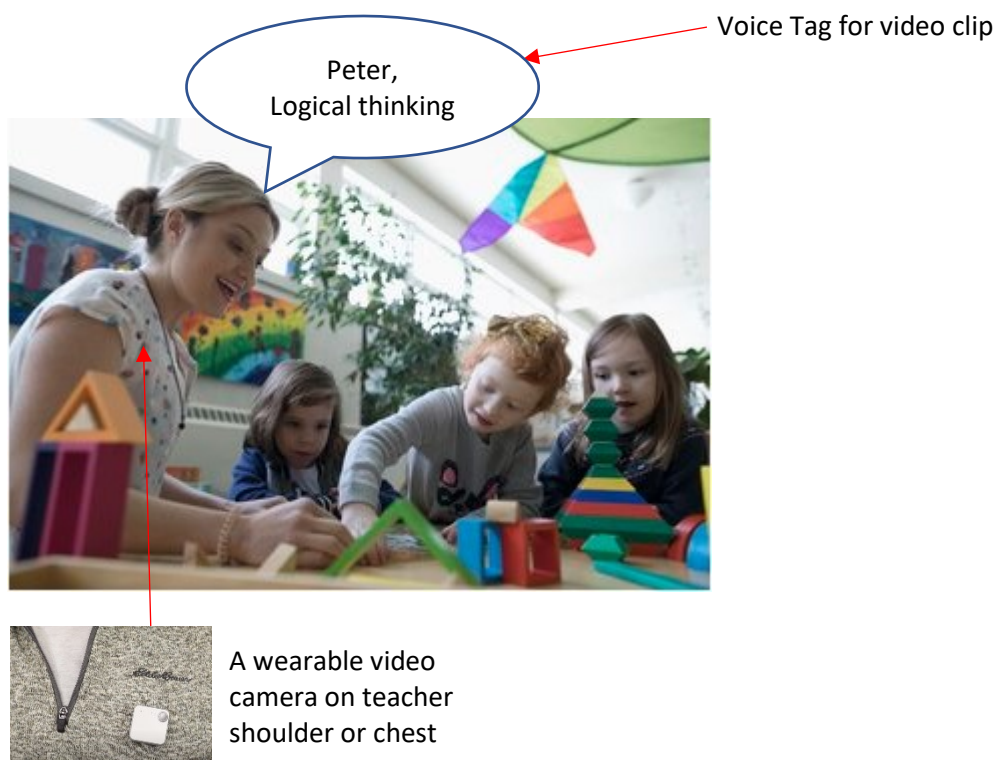
Problem:

childcare teachers have had difficulties and suffered heavy workload on preparing child portfolio report every day.

Solution idea:

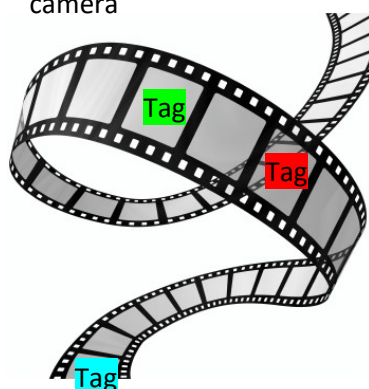
- 1) The teacher wears a video camera, taking video during her teaching (see Figure 1 below).
- 2) Put a voice tag on the video when needed (see Figure 1 below). For example:
 - a) The teacher would move the camera focus on a child, and say the child's name and a specific word (e.g. finger movement) about the child development when the teacher notices a valuable moment showing the child development.
- 3) An application is required to do the following:
 - a) Capture video clips according to voice tags (e.g. child's names and term of child's development) (see Figure 2 below).
 - i) The length of the clip may be defined by image filtering results to see if the focused object (i.e. the child) is in the video or not.
 - b) Allow the teacher making notes (voice or written) on the video clips (see Figure 3 below).
 - c) Distribute the video clips with notes to their parents or specific caregivers as a child daily portfolio report (see Figure 4 below).

① Taking Video Via Classes



② Create and organize video clips

Video from the wearable video camera



Create and organise video clips according to the tags data

Tags

Peter, Logic
Peter, legs
Peter, fingers

John, color
John, running
John, active



Video clips



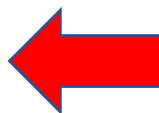
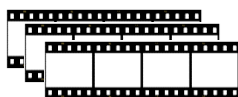
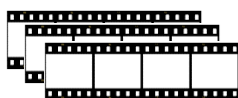
③ Add notes to clips

Tags

Peter, Logic
Peter, legs
Peter, fingers



Video clips



Add notes to
clips (voice
or written)



④ Distribute video clips with notes

Tags

Peter, Logic
Peter, legs
Peter, fingers



Video clips



Distribute to
right users

