



The Education University of Hong Kong
for the degree of Bachelor of Education (Honours) (Physical Education)

Capstone Report

The material of Ball Games for E-learning in Primary school

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Content

1. Capstone product link
2. Abstract
3. Description of project outputs
4. Analysis and discussion of the findings outputs
5. Result of the outputs
6. Conclusion
7. References
8. Appendix



Capstone Product

Google Site Link: <https://sites.google.com/view/ballgame>

Abstract

Purposes: This study is to consider that the current sports related video clips may have insufficient problems, lack of e-learning resources for primary 4 to 6 syllabus which results in slow-down the learning for students. This study is to shoot these videos and give students the abilities to use the electronic platform for learning and to provide e-learning resources for physical education teachers as a reference for physical education lessons. The part of the research design is mainly to teach ball games through demonstrations between teachers and students (video clips). This e-learning platform is divided into nine ball games, such as soccer, table-tennis, and touch rugby in total of around 180 teaching videos with simple text explanations are provided. **Conclusion:** In conclusion, this e-learning platform can effectively help the PE teachers to design different ball games of lesson plans. However, this e-learning platform can be improved in the future to add more different sports.

Keywords: E-learning platform, Video clips, Ball games, Electronic platform

Description of project outputs

EDB only provides Fundamental Movement (FM) clips through Fundamental Movement Learning Community (FMLC) website but lacks e-learning resources for ball games syllabus which have no unified teaching materials. So, this project is to provide resources of e-learning material for ball games for primary 4 to 6 because based on the Education Bureau (EDB) document as the main reference, the key stage 2 is to develop basic skills in eight different physical activities. Although there are some teaching materials of videos on the current website, most of the videos are not enough



in terms of structure. So, the aim of this project is to fill this gap by providing an activity bank for PE teachers as their reference materials to deliver their PE lessons.

Many PE teachers would look for some video reference of teaching materials, but they can only search on YouTube. However, it is the difficulties of PE teachers to search for relevant video clips for their reference on PE class delivery. So that this is lacking in traditional websites are useful videos (Chang, 2014). Therefore, mainly make an e-learning platform to integrate the teaching materials in different sports. This is expected to better prepare PE teachers for the PE lessons and assist the smooth progress of the lesson.

Moreover, it is expected to provide high-quality videos as the main method of learning and expected to use the video to provide visual models of the desired skill and trust the teachers and students will be able to imitate the demonstration. So that it can increase the influence and enhance the learning ability of students, and to place this content in mobile phones or iPads, so that it is flexible when the teachers are available from anywhere and at any time. That is easy to use for the PE teachers, just click on the link or scan the QR code which can show different videos of teaching activities. As well as this e-learning platform can be accessed an unlimited number of times. It can give the teachers and students review the key points of the skills and deepen their memory which can improve their learning progress. And the content can keep updating, so the teachers and the students will become more familiar with technology and organizational units can follow their needs. In addition, the impacts of e-learning platforms on education according to Khan (2005) are ensured. This is because the environments for e-learning are tolering, so they are a good way of offering equal access to the information world irrespective of the locations of the users, their ages as well as races (Khan, 2005).



Therefore, the website is not only for Hong Kong, but also for other countries. This is very useful to all PE teachers to find some online teaching material.

Analysis and discussion of the findings outputs

This website is mainly for the development of e-learning material of ball games and at the same time carry out professional editing and processing. This website is divided into nine ball games, six for traditional sports (basketball, football, handball, volleyball, badminton, and table- tennis) and three for newsports (taspony, dodgeball and touch rugby) which has around 180 teaching video clips with different sports. A total of around 20 video clips for each sport and the content will gradually move from basic to advanced. According to the EDB document, there are recommended for teaching in key stage 2 of the learning topics in the six strands. For example, in the around 20 video clips of football, so that the video clips have the key stage 2 level have passing and shooting, controlling and dribbling. And in the around 20 video clips of table-tennis, the key stage 2 level has the grip, services, and forehand attack. The video clips include the warm-up game, basic skills, and modified game. According to these video clips, the PE teachers can easily design the PE lesson plan for each lesson. The video is a clear demonstration of the simple skills. Demonstrations provide an effective means of communicating the "right" way to perform a new motor skill (Darden, Gibson F, 1997). The video has multi-angle (figure 1), such as, close-up shot; slow motion to show details and provide simple text explanations. At the same time, dismantling actions will be performed to explain the related content of skills. It is easy for the PE teachers to realize.

In addition to traditional sports, the website also added three newsports, because the newsports can increase exposure to different sports for students so that they can explore

their interests. Moreover, EDB has no curriculum guidelines for newsports, so that it can take this opportunity to promote this newsports in the PE lesson which can help to develop different sports in Hong Kong.



(figure 1)

Result of the outputs

This website has a questionnaire which enhances the efficacy of knowledge and qualifications of access to a huge amount of information (figure 3). After collecting feedbacks from the questionnaire (figure 4-7), the data shows that this website can improve effectively of the teaching skills for the PE teachers. Some PE teachers agree that this website has systematically integrated teaching resources for physical education and the extent aligned with the physical education curriculum. Furthermore, made improvements to this website of after collecting feedback from the questionnaire, that can improve clearly by separating the different activities into different pages (figure 2), so that it is more clearly and useful to all PE teachers.



(figure 2)

Conclusion

In conclusion, this e-learning platform can help to improve the PE teachers to design different ball games of lesson plans. To let the PE teachers easily find some reference materials for skill demonstration from video clips. By the way, this platform will be improved in the future, for example, it will add more different sports such as other traditional sports and newsports, add the rules to each sport, add the new version for the secondary school and add the English version for the different countries to browse this e-learning platform. Finally, I hope that there are unified e-learning resources of primary 4 to 6 for PE curriculum, to make sure the PE teachers can easily find some reference materials such as video clips for skill demonstration. At the same time, this can help the PE teachers improve their teaching skills, to give a good learning environment for the students. To improve the learning performance of the students effectively.



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<https://sites.google.com/friends.eduhk.hk/fundamental-movement-pe-hk>



Appendix



QR code for the website

**小學體育科教材套**主頁 · 製作/鳴謝 · 意見

小學體育科教材套



此網上教學資源是根據教育局體育組學習領域課程指引編製，目的是為小學體育科教師及小學生提供網上教學資源，促進教師們的專業發展，並提升課堂的教學效能。同時為學生提供網上學習資源，有助其體育技能發展。

此網上教學資源的教學對象為小學生。教材分為九項球類運動，合共提供約一百八十條配以簡單文字解釋的教學短片。希望透過教學設計示例，讓學生對活動技能有更深入的認識，並能在活動中展示熟練的活動技能及知識。

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**小學體育科教材套**主頁 · 製作/鳴謝 · 意見

腳內側傳球

掌握正確腳內側傳球的動作，並掌握傳球時的力度與方向，以提升傳球的技巧



傳球後跑動練習1

掌握正確腳內側傳球的動作，並掌握傳球時的力度與方向，以提升傳球的技巧



小學體育科教材套意見問卷調查

🔗 eduhk1722pe@gmail.com (未分享) [切換帳戶](#)



*必填

你會以教材套用作甚麼教學用途? *

- ☐ 課堂設計參考
- ☐ 課堂教學資源 (例: 上課播放、「反轉教室」等)

教材套能有效提升體育課堂效能。 *

1 2 3 4 5

非常不同意 ○ ○ ○ ○ ○ 非常同意



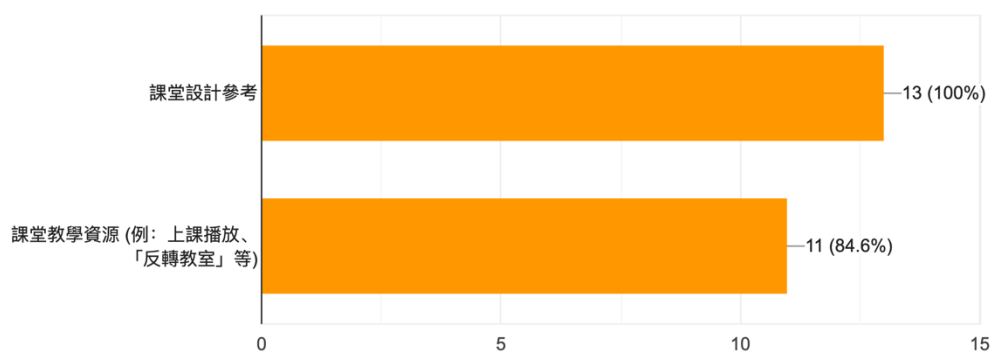
教材套與體育科課程內容配合。 *



(figure 3)

你會以教材套用作甚麼教學用途?

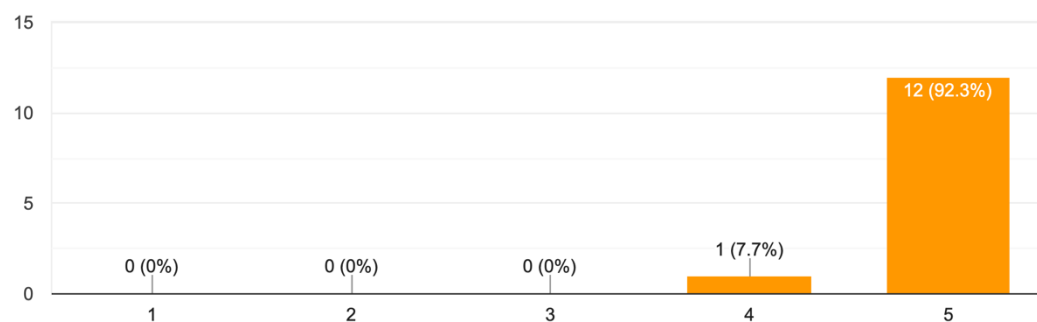
13 則回應



(figure 4)

教材套能有效提升體育課堂效能。

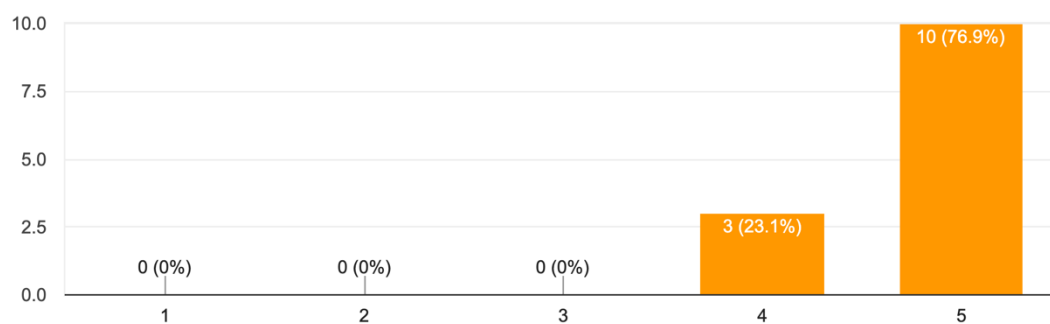
13 則回應



(figure 5)

教材套與體育科課程內容配合。

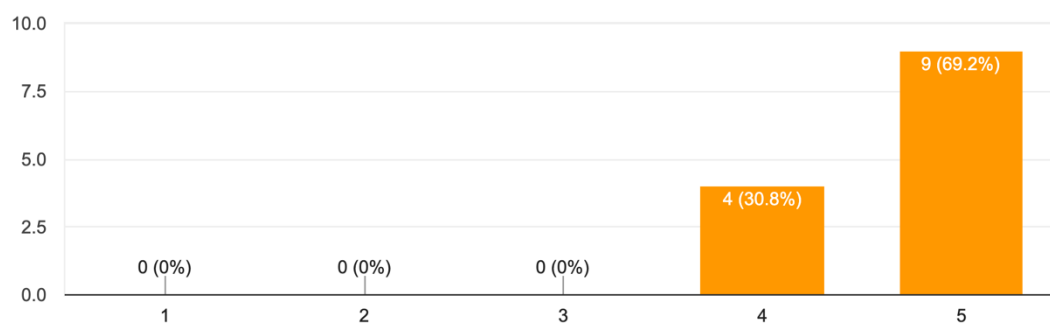
13 則回應



(figure 6)

教材套有系統地整合體育科教學資源。

13 則回應



(figure 7)



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