



## Bringing Tech & Library Sciences into PE & Health (Cross-curricular Integration & Collaboration)

### COURSE DETAILS

#### Introduction

This course, titled "Bringing Tech & Library Sciences into PE & Health," is offered as part of PE Central's Professional Development Services. This course is online and self-paced. Module content builds from one to the next, so it is recommended that modules be completed in the order presented. Assignments are included during the course and may be completed at the student's own convenience. The course is worth 10 PD hours.

**Instructor:** Dustin Yakoubian, M.Ed.

Dustin is a full-time physical education teacher with over 15 years of teaching experience, both in the US and abroad. Dustin's teaching experience has focused mostly on elementary (PreK-Grade 5) but also includes experience teaching and leading secondary students as well as adults. Dustin has taught at private international schools as well as Title 1 schools, and has experience in both urban and suburban school settings. Dustin continues his work outside of the classroom as the author of [The New PE Teacher's Handbook](#) (available in [paperback](#) and [ebook](#)), which offers guidance for both new and experienced PE teachers, covering job hunting, creating and elevating your PE program, as well as 80 ready-to-use lesson plans. Dustin has also written for various blogs on the topics of international education, physical education, and action sports. Other professional development courses through PE Central authored by Dustin include [Tinikling: Philippine Folk Dance for Fitness and Team Building](#), [Add International Flair to PE with these 5 Modified Games](#), and [Bringing Tech & Library Sciences into PE](#).

#### Target Audience

This course has been designed for Health and Physical Education teachers interested in integrating technology, curriculum, and/or Library Sciences into their program. Whether you're an experienced Health/PE teacher or a brand new one, cross-curricular collaboration and integration is an important (and often overlooked) addition to your Health/PE program which can enhance student learning and engagement as well as improve your school's overall instructional quality.

#### Course Purpose/Objectives

- Identify and explore the concept of collaboration through cross-curricular planning with subjects like technology and library.
- Identify and explore the concept of integration by using outside subjects such as technology and library within your own Health/PE program.
- Identify potential areas for collaboration and integration in your own PE program
- Engage in backwards-planning to create meaningful and standards-based cross-curricular integrations into PE/Health
- Using the points above, this course will provide several examples of cross-curricular integrations into PE/Health that are ready-to-use
- Help prepare the course participants to identify areas of, and begin to create their own, cross-curricular integration into their own programs and create

## Learning Outcomes

After completing this course, users will:

1. Be able to: Identify areas where they will be able to incorporate Tech & Library Sciences into their own PE/Health program
2. Be able to: Identify areas where they will be able to collaborate with fellow teachers (of Tech/Library Sciences) to create and lead joint lessons/units
3. Be able to: Use backwards planning to align instruction to standards/learning outcomes
4. Be provided with some ready-to-use examples of Tech/Library Sciences collaborations/integrations into PE/Health
5. Be able to: Create their own cross-curricular (PE/Health with Tech/Library Sciences) collaborative and/or integrative lesson plans, and
6. Be able to: Create an Action Plan to bring these newly developed lesson/units to fruition.

## Course Description

As physical education (PE) teachers, we are preparing students for a lifetime of health, fitness and overall wellness. High quality PE programs in the 21<sup>st</sup> century are ones that connect content from the PE classroom to other subjects. This course chooses to demonstrate this by collaborating and integrating Technology and Library Sciences into the PE classroom. The decision to use technology and Library Sciences comes from the understanding that both subjects are utilized daily beyond the classroom. Technology, in all its forms, is an integral part to our everyday lives. Similarly, Library Sciences like research, information processing, analysis, and synthesis are also used daily. This course will give you the skills necessary to identify and implement Technology and Library Science into your PE lessons.

## Standards

This course addresses the following *SHAPE America National Standards for K-12 Physical Education (2024)*.

- **Standard 1.** Develops a variety of motor skills.
- **Standard 2.** Applies knowledge related to movement and fitness concepts.
- **Standard 3.** Develops social skills through movement.
- **Standard 4.** Develops personal skills, identifies person benefits of movement, and chooses to engage in physical activity.

## Viewing External Content

At times throughout the course, students will be instructed to visit external sites to view videos, articles, or both. Each time external content will open in a new, separate window, which will require students to close when completed and return to the course.

## Course Design/Schedule

This course is designed for self-paced learning. Each module contains an assignment and accompanying information/resources/guidance. Since the course content is sequential, users should complete these modules in the order presented, but you may go at your own speed. Some assignments are completed by posting in the built-in Discussion Board. At the completion of all modules, PE Central will provide you with a certificate of completion.

## Technology Needed to Complete this Course

You will need a computer/tablet with internet connection as well as a program capable of creating documents (Microsoft Word or Google Docs formats acceptable) and a valid email address.

### In-Course Assignments: (NOTE: In this syllabus and the course, "PE" refers to both PE & Health Ed)

MODULES	LEARNING OBJECTIVE	COURSEWORK
1. Welcome and Introductions	Introduce yourself	<ul style="list-style-type: none"> <li>○ Introduce yourself in the Discussion Board</li> </ul>
2. Defining terms and outlining the components of the course	Identify and discuss key components of the course <ul style="list-style-type: none"> <li>• Technology (devices)</li> <li>• Technology (curriculum)</li> <li>• Library Science</li> </ul>	<ul style="list-style-type: none"> <li>○ Read module content</li> <li>○ Reply to prompts on the Discussion Board</li> </ul>
3. Integration and Collaboration: How they are related but different.	Identify and discuss the similarities and differences between integration and collaboration	<ul style="list-style-type: none"> <li>○ Read module content</li> <li>○ Complete quiz questions</li> </ul>
4. Backwards planning: Why it is important and how we will use it in this course	Understand the concept of backwards planning and how it applies here  Apply backwards planning to the incorporation of Tech/Library Sciences & PE/Health	<ul style="list-style-type: none"> <li>○ Read module content</li> <li>○ Reply to prompt on the Discussion Board</li> </ul>
5. Using Devices/Apps in PE class	Identify PE needs for which devices/apps class may provide solutions or enrichment  Describe the backwards planning mindset as it pertains to the process of determining the best tech solution.	<ul style="list-style-type: none"> <li>○ Read module content</li> <li>○ Reply to prompt on the Discussion Board</li> </ul>
6. Library Sciences & PE: Integration & Collaboration	Explore areas of potential overlap between PE and <u>Library Sciences</u> standards/learning outcomes  Review some instructor-provided examples of <u>PE/Library Sciences</u> integration and collaboration  Apply what you have learned to the creation of your own <u>PE/Library Sciences</u> integration and/or collaborative project	<ul style="list-style-type: none"> <li>○ Read module content</li> <li>○ Using a provided template, create your own Library Science/PE lesson plan. Post that lesson plan within the module.</li> </ul>
7. Tech curriculum & PE: Integration & Collaboration	Explore areas of potential overlap between PE and <u>Tech curriculum</u> standards/learning outcomes  Review some instructor-provided examples of <u>PE/Tech Curriculum</u> integration and collaboration	<ul style="list-style-type: none"> <li>○ Read module content</li> <li>○ Using a provided template, create your own Tech/PE lesson plan. Post that lesson plan within the module.</li> </ul>

	Apply what you have learned to the creation of your own <u>PE/Tech Curriculum</u> integration and/or collaborative project	
8. Assessing student learning	Identify useful assessment types for our uses  Create your own assessment tool (ex. rubric, scale, etc.) that pertains to one of your lessons created in this course	<ul style="list-style-type: none"> <li>o Read module content</li> <li>o Create, then post, your own assessment tool within the module.</li> </ul>
9. Action Plan	Create an Action Plan	<ul style="list-style-type: none"> <li>o Read module content</li> <li>o Create your Action Plan and post it in the module</li> </ul>
10. Reflection	Reflect upon your work and experience in this course	<ul style="list-style-type: none"> <li>o Optional: Answer reflection questions</li> </ul>
11. Additional Resources	Provide you with some additional resources on the topic	N/A

### Certificate of Completion

You will receive a Certificate of Completion upon successful completion of this course. If you have any trouble with receiving your certificate, please contact [CE@hkusa.com](mailto:CE@hkusa.com).

### Disclaimers

- **Sharing of lessons, learning platforms, and other material created solely for the purpose course is not allowed. This material is for paid course participants only.**
- **Unless otherwise specified by, or agreed upon with the instructor, all assignments are expected to be the individual work of each course participant**