



3rd Pediatric Exercise Oncology Congress

FORTE Europe



ADAPTED EXERCISE AND SCHOOL IN HOSPITAL: THE PLAYFIELD FRAMEWORK PROMOTES AN ALLIANCE TO IMPROVE LEARNING IN CHILDREN, ADOLESCENTS AND YOUNG ADULTS WITH HAEMATOLOGICAL MALIGNANCIES.



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Introduction

Exercise has beneficial effects on cognition, academic performance and skill development. School-in-hospital teachers (ScHT) support children and adolescents in cancer treatment (CA-h) through a personalised relationship. ScHT usually do not use exercise to improve academic performance in hospital. Adapted exercise are a new option to improve exercise tolerance and quality of life in CA-h. New alliances between exercise professionals and pedagogues can be beneficial within the academic curricula of any CA-h: a new framework named PLAYFIELD provides the pillars to build this integrated multidisciplinary knowledge.



Subjects
English

Spaces
Classroom
Hospital room

Materials
Wordwall website
Books, Notebooks
Paper tape or a poster

Paradigm Gym

School level
Middle School
(second/third year: 13/14 year old students)

Goal
Understand and correctly apply the paradigms of irregular verbs in English

Activity designed by Laura Canesi, IS Bortolo Belotti, SO Bergamo.

Aim

The goal was to design and implement teaching activities that integrate adapted exercises in frontal lessons during teaching provided by the school in hospital. This will enhance learning and student motivation, as well as academic performance and motor skills development.

Results

Forty-one teaching cards has been created, each containing few adapted exercises. The cards were designed by the attending teachers for different school levels: 4 for nursery school, 17 for primary school, 10 for middle school, and 10 for high school. As few example in different subject: math "Move, count, learn!", geography "Moving on Earth", biology "Moving through Evolution – Darwin", english "Paradigm Gym".

Subjects
Geography
Italian language (for non-italian students)

Spaces
Classroom
Hospital room

Materials
Flashcards
Books, Notebooks
Paper tape or a poster
Compass

Moving on Earth

School level
Middle School (first year: 12 year old students)

Goal
the student learns the position of cardinal points and orientation

Activity designed by Federica Lavagnini, Istituto Comprensivo Salvo D'Acquisto (Monza, Italy), Fondazione IRCCS San Gerardo dei Tintori

Methods

The study examined educational activities developed by teachers from Lombardy's SIOs (Italy) after they underwent compulsory regional training organised by the national school authority. This training was based on the PLAYFIELD framework and delivered by a multidisciplinary team comprising pedagogues, psychologists, sports medicine doctors and exercise professionals.

Three main tools were developed:

- The Rubric of Competence to translate motor goals into subject-specific learning objectives;
- The Didactic Design Chart to plan lessons that integrate movement;
- The Logbook to monitor outcomes and collect student feedback.

The team supported teachers in integrating movement into their teaching practices and helped to identify safe, adapted exercises, particularly for vulnerable students.



Fondazione MBM, Fondazione Maria Letizia Verga, Monza
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PHYSICAL LITERACY FOR TEACHING IN THE HOSPITAL

The aim of this proposal is for you to put into practice what you have learnt during the practical workshop.

We are asking you to design a lesson related to a discipline/ subject area within which to include a motor activity.

Complete the form below, following the directions given.

Remember: the motor activity must be filmable. A video pill will be produced, which will then be uploaded to a prepared platform-repository.

Conclusion

School in hospital teachers are prone to integrate adapted exercises into the frontal lessons trying to improve students' academic performance and motor skills. The PLAYFIELD framework has been well received by the national school authority and by teachers.

This suggests that it could also be implemented nationwide.

The aim is to create a community of teachers who wish to use the framework.

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