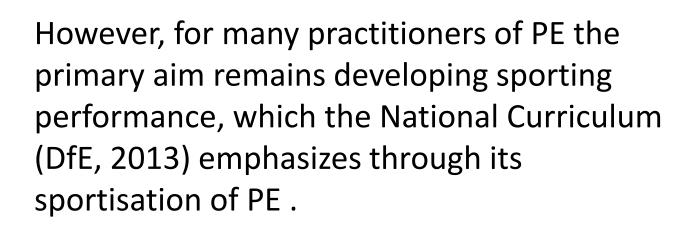
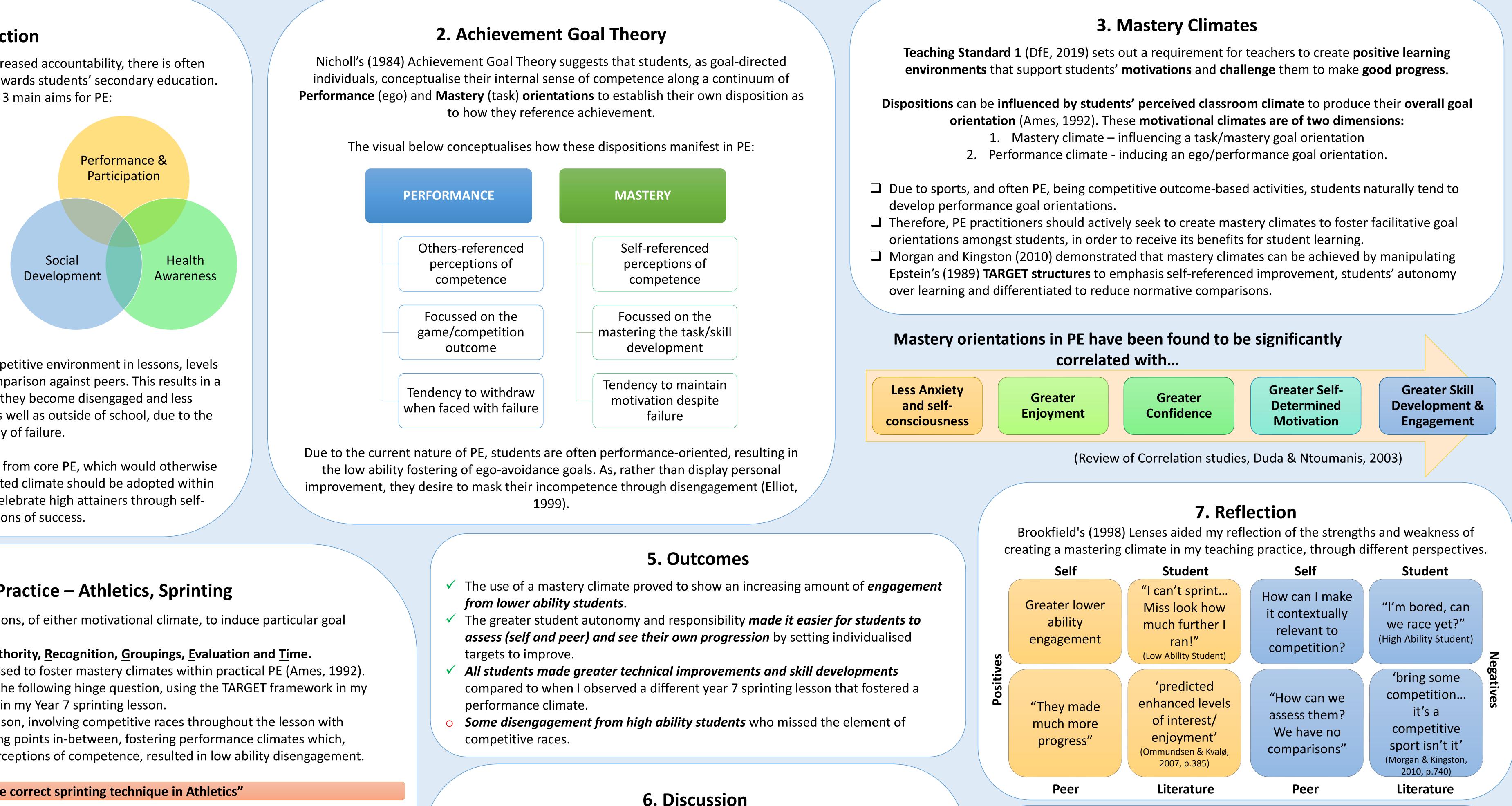
CREATING MASTERY CLIMATES FOR LEARNING WITHIN SECONDARY CORE PHYSICAL EDUCATION

1. Introduction

Due to the desire for Core PE to have an increased accountability, there is often debate regarding the subject's contribution towards students' secondary education. Hardman (2011) prioritised 3 main aims for PE:



Whilst the National Curriculum advises on performance being measured by students' personal skill development, technical mastery and performance improvement, through personal bests and self-reflections, the reality is PE remains predominately measured by comparative norms between pupils.



Due to PE being a highly cooperative and competitive environment in lessons, levels of performance are easily visible for social comparison against peers. This results in a marginalisation of low ability students as they become disengaged and less motivated to participate within PE lessons, as well as outside of school, due to the perceived frequency of failure.

Rather than removing performance measures from core PE, which would otherwise limit the subject's credibility, a mastery-oriented climate should be adopted within PE to uphold low-ability participation and celebrate high attainers through selfreferenced interpretations of success.

4. Classroom Practice – Athletics, Sprinting

- **TARGET** provides a structure to create lessons, of either motivational climate, to induce particular goal orientations amongst students.
- This is broken down into 6 areas: <u>Task, Authority, Recognition, Groupings, Evaluation and Time.</u>
- The **TARGET** framework has been widely used to foster mastery climates within practical PE (Ames, 1992). Therefore, I structured my lesson around the following hinge question, using the TARGET framework in my planning, to create a mastery climate within my Year 7 sprinting lesson.
- This worked to avoid a typical sprinting lesson, involving competitive races throughout the lesson with teachers providing few generalised teaching points in-between, fostering performance climates which, although favored high ability students' perceptions of competence, resulted in low ability disengagement.

	"How to perform the correct sprinting technique in
<u>T</u> ask	 Students' had the option of being timed for either 5, 7 or 1 sprint (differentiated task). The increase in distance covere goal to be self-referenced as they achieved new personal be
<u>Authority</u>	 Students rotated between different roles after each run: the coach had the responsibility of using the technical coal individualised feedback, which helped their peer improve
<u>R</u> ecognition	 Throughout the lesson I circulated the class, offering furthe for students to give effective feedback. I also gave praise an lesson for effort, improvement and effective coaching.
<u>G</u> roupings	 Although the classes themselves are ability groups, within mixed ability groups to support the removal of normative
Evaluation	 Students were able to self-assess their performance throug distance markers, as well as peer assess the performance of through a technical checklist, to evaluate their technical implication
Time	 The activity was student-led allowing them to do the task a

LO seconds to see how far they could ed within the timeframe allowed the pests with improved technique.

he performer, coach and measurer. aching resource to provide effective their performance.

er technical guidance and support nd House Points throughout the

the class, students were put into comparisons.

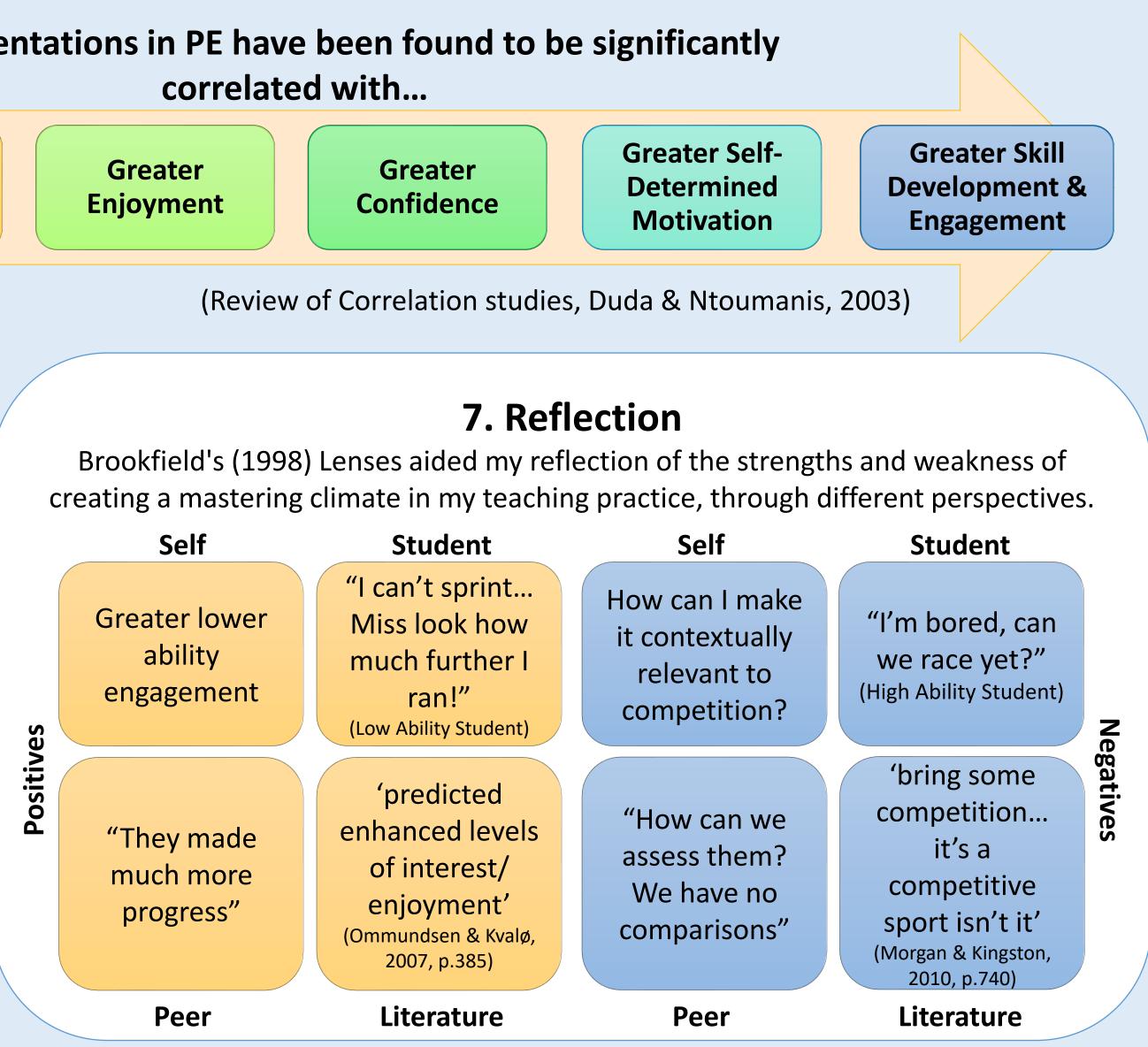
gh the improvement in their own of the peer they were coaching, nprovements.

at their own pace with their group.

The mastery climate helped me to create an autonomy-supportive environment, linking to Deci and Ryan's (1985) Self-Determination Theory, by fostering my students self-determined motivation through the constructs of autonomy, competence and relatedness. Ommundsen and Kvalø (2007) found these environments to increase students' intrinsic motivation and decrease amotivation. Accordingly, my lower ability students were more actively engaged in the lesson, through their self-directed learning, questioning, and peer feedback. This resulted in greater participation, echoing Bowler's (2009) intervention's results of greater physical activity levels (9%) found in PE intervention groups using mastery TARGET structures.

Theeboom et al.'s (1995) study found that mastery climates result in greater objective skill development and perceived competence, as they support students' progress reflections. The coaching resource enabled my students to see the clear progressions of sprinting technique. This, supported by peer and self assessment, allowed them to give individualized feedback, used to set personal goals to be achieved with each run. These could then be reflected upon to develop their sense of competence.

There purposefully wasn't an opportunity to display competitive performance in my lesson, to prevent low ability disengagement. However, this adversely effected some engagement of my high ability students, who require these opportunities to satisfy their ego-approach disposition, as Duda & Ntoumanis (2003) suggests is common amongst this student group, and gain a sense of competence.



8. Conclusion and Future Considerations

The benefits of creating mastery climates in PE lessons are extensive, with lower ability students benefitting the most due to the focus of competence being evaluated through personal improvement rather than normative comparisons against peers. This limits perceptions of incompetence and subsequent disengagement.

On reflection, there does still need to be some competitive elements in order to satisfy those students with ego-approach goals, namely high ability students.

Therefore, in future I will ...

- effectiveness with other classes.
- approach goal orientated students.

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Continue implementing mastery climates within Core PE lessons and evaluate its

2. Introduce a competitive element into the lesson to satisfy the needs of ego-

3. Incorporate cooperative learning to achieve a group goal, enhancing students' relatedness and optimising student motivation and inclusion in PE (Morgan 2019).

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Megan Owen	U2038274
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