

# Professional Development: On-Demand Video Training Guide



## Mastering the STEM Sports Printed Curriculum

This guide outlines the topics covered in the STEM Sports Professional Development On-Demand Video Training. The video training content can be accessed at any time for initial training or as an ongoing resource to all our educators using the printed curriculum.

### PART 1: PREFACE

[10 MINUTES]

Welcome	A review of the curriculum’s key benefits in your classroom/learning environment.
Digital Assets	A review of the location, accessibility, and benefits of the curriculum’s digital assets that include the following: worksheets / presentation decks / answer keys: <a href="https://STEMSports.com/digitaltools">STEMSports.com/digitaltools</a>
Mindfulness Matters	A review and depiction of the curriculum’s overarching objective, including metrics related to the career exploration and placement through the teachers and students lens.

### PART 2: PLANNING

[20 MINUTES]

Table of Contents	A review and depiction of the curriculum’s eight (8) lessons per gradeband.
Supplies Checklist	A review of the curriculum’s academic materials and sports supplies.
Glossary & Lesson Resources	A review of key terminology and video/visual resources applied to lessons for effective application, including accessibility to all supporting resources on the STEM Sports website: <a href="https://STEMSports.com/resources/">STEMSports.com/resources/</a>

### PART 3: IMPLEMENTATION

[40 MINUTES]

Scope & Sequence	A review and depiction of a lesson’s pedagogical approach for student engagement and retainment of standards.
Concept / Objective/ Standards	<ul style="list-style-type: none"><li>• Concept</li><li>• Objective</li><li>• Standards: K-2 / 3-5 / 6-8<ul style="list-style-type: none"><li>◦ Next Generation Science Standards (NGSS)</li><li>◦ Common Core Math Standards (CCSS)</li><li>◦ National Standards for K-12 Physical Education</li></ul></li></ul>
Sequence of Lesson	<ul style="list-style-type: none"><li>• Pre-Assessment: Measure your student’s prerequisite knowledge of STEM concepts and standards.</li><li>• Review of the 5E lesson structure (engage, explore, explain, elaborate, evaluate).</li><li>• Post Assessment: Measure your student’s post knowledge of STEM concepts and standards.</li><li>• STEM Jobs in Sports: Connects the lesson’s concepts and skills required to work in STEM and/or Sports, empowering students to develop their 21st century skills in preparation for their careers.</li></ul>

### PART 4: PROJECT-BASED LEARNING (PBL)

[10 MINUTES]

Capstone	A review and depiction of a capstone project in which proceeds the 8th and final lesson for 6-8 students.
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