



STEM bicycle club

"Life is like riding a bicycle. To keep your balance, you must keep moving." - Einstein

Coach's Notes



STEM Bike Club Leader's Guide

Disclaimer: The following document is meant to be a guide based on feedback from STEM Bicycle Clubs that have run over the past five years. Use it however works best for you, whether that means using the entire thing, taking bits and pieces of it, or disregarding it. If you find things that can be improved, **let us know!**

Table of Contents	
Description	Page(s)
Bicycle Club Priorities	3
Before Club Starts Considerations	4 - 8
Weekly Plans	8 - 19
Game Plan Worksheet	20 - 21
Appendix 1 - Bike Club Schedule	23
Appendix 2 - Video Reference Guide	24
Appendix 3 - Tools Reference Guide	25-26

STEM Bicycle Club Priorities

Priority	Leader Supports & Resources
<p><u>Goal 1:</u> Students will gain hands-on experience with bicycle</p>	<ul style="list-style-type: none"> • 10 Videos (Appendix 2) • Video notes for each video (pages 9-18) • Tool Reference Guide (Appendix 3) • School Leader PD session • Weekly Materials checklist (pages 9-18)
<p><u>Goal 2:</u> Students will develop social-emotional learning in the areas of:</p> <ul style="list-style-type: none"> • Grit/persistence/perseverance • Responsibility to self and others • Critical thinking/problem solving 	<ul style="list-style-type: none"> • Hands-on opportunities • Clear expectations (for students and mentors) • Mentor training focused on strategies to: <ul style="list-style-type: none"> — Encourage student independence — Ask effective questions • Excursions
<p><u>Goal 3:</u> Students will gain exposure to STEM careers and college</p>	<ul style="list-style-type: none"> • Mentors • Mentor interviews • Mentor interview tweets (public access) • Ice Breakers and Conversation Starters
<p><u>Goal 4:</u> Students will communicate and participate in a community of learners</p>	<ul style="list-style-type: none"> • Ice Breakers and Conversation Starters • Twitter • Mentor and peer relationships • Correspondent Roles
<p><u>Goal 5:</u> Students will learn STEM concepts, content, and practices</p>	<ul style="list-style-type: none"> • Hands-on experiences • Bicycle Journey Journals • Excursions • Final Fit Rationale