



GCSC stem bicycle club

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

Coach's Notes Pages 1-3



STEM Bicycle Club School Leader's Guide

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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 4) • Video notes for each video (pages 8-17) • Tool Reference Guide (Appendix 5) • Safety Checklist (Appendix 6) • School Leader PD session • Weekly Materials checklist (pages 8-17)
<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