

No Bones About It:
Designing Knee Braces



**One Unit
of Credit**
per workshop is
available from:
UC Merced Extension
(1 CEU for \$40)

Register before March 25th

Price: \$195
(Includes materials,
light breakfast & lunch.)

**Additional Information
For Content: Rosanna Ayers**
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For Registration:
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Audience:
Teachers grades 3 & 8
STEM Coaches, Administrators,
& After School Personnel

Merced County Office of Education Presents:

Engineering-Designing: Knee Braces



EiE : Engineering is Elementary

Inquiry-Based STEM Curriculum,
Project-based Learning, Collaborative Learning

Apply the engineering design process to the fields of biology or medicine to solve healthcare problems, and you're thinking like a biomedical engineer. Students explore the variations in human feet and use the information to make recommendations about sneaker design. They also measure the range of motion in knees as they investigate how a knee joint works. After evaluating the properties of different building materials, they design a knee brace that will restore the range of motion to a model of an injured knee.

WHEN: March 29th, 2019 9:00AM - 3:30PM

WHERE: 632 W. 13th Street, Merced; Room J2

REGISTRATION: <https://bit.ly/2HWwGcZ>

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