

STEM
sports[®]

science • technology
engineering • math • sports

VOLLEYBALL

Module 8.1

Adaptive Technology

GRADES 3rd – 5th



MODULE
8.1

GRADES
3-5

What Do You Need?

Supplies Provided

[Worksheets](#), Fishing Line,
Toothpicks, Straws and Ribbon

Materials Needed

Butcher Paper or Volleyball
Net, Cardboard, Notebooks
and Pencils



Test Your Knowledge

Have your students take this lesson's assessment prior to engaging by visiting: <https://stemsports.com/assessments/>. If you have limited digital capability, please email Info@STEMSports.com to access the Assessment & Key.

Engage

Watch this [video](#) and learn about *Adaptive Technology*.



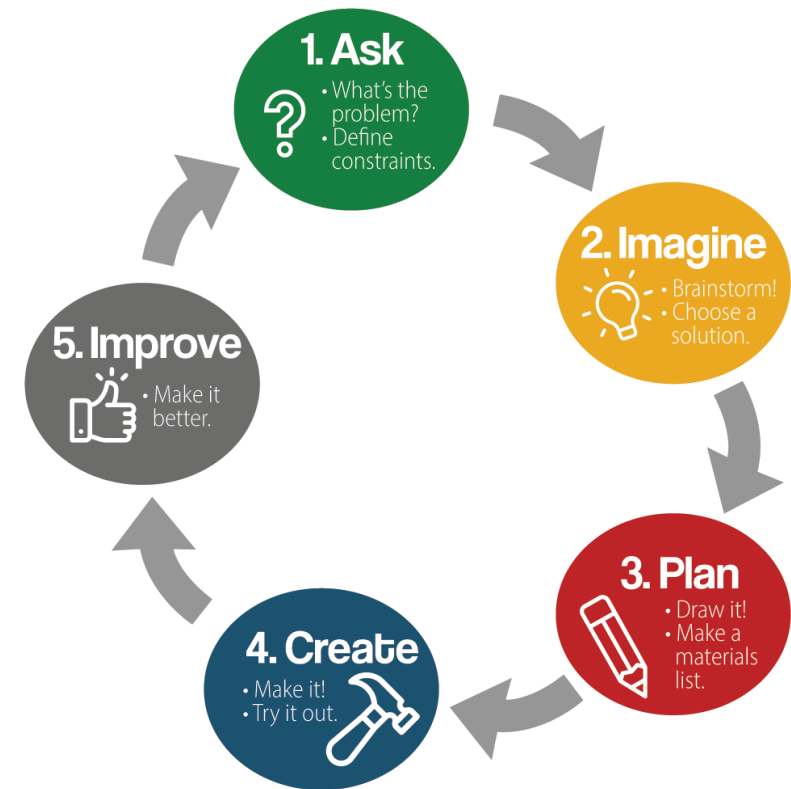
Explore



Create an adaptive volleyball court using various supplies.

Explain

Discuss and learn about the Engineering Design Process and key vocabulary terms, *Criteria* and *Constraints*.



Elaborate



Take part in a “design challenge” by building a prototype.

Evaluate

Present your design to the class
and how your prototype works.



What Did You Learn?

Have your students retake this lesson's assessment to effectively evaluate their comprehension by visiting:

<https://stemsports.com/assessments/>. If you have limited digital capability, please email Info@STEMSports.com to access the Assessment & Key.



Extend

Challenge Yourself!

Learn about other forms of technology,
and redesign and rebuild your prototype.



What is your Dream Job?

STEM Jobs in Sports

- Adaptive Sports Equipment Coordinator
- Systems Engineer
- Patent Examiner
- Engineer Technician
- Sports Patent Attorney



To access Worksheet Keys, please visit
www.STEMSports.com/digitaltools

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