



science • technology engineering • math • sports

VOLLEYBALL

Module 8.1
Adaptive Technology

GRADES 6th - 8th



What Do You Need?

Supplies Provided

Worksheets, Fishing Line, Toothpicks, Straws and Ribbons

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.





Watch this <u>video</u> and learn about *Adaptive Technology*.





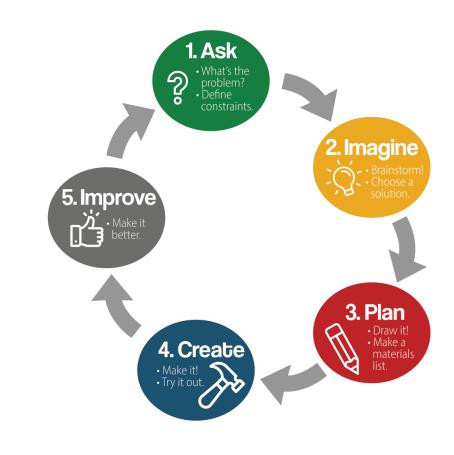
Create an adaptive volleyball court using various supplies.







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







Take part in a "design challenge" by building a prototype.







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.







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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