

1086-P5-2045 **David Clark*** (dcclark@umn.edu). *Hand-on coding theory: Can you hear me now?*

Error-correcting codes are a highly relevant and engaging topic which can also be used as an introduction to advanced mathematics. But how can students experience this key aspect of modern communications without costly electronics? We will describe an activity which introduces students to the fundamental concepts of error-correcting codes by way of hands-on data transmission. The activity requires only pipe cleaners and plastic trays which are easily obtained from many science labs. (Received September 24, 2012)