Are College Students Too Old for Toys and Games?

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• Not so long ago in a classroom far from here, students in my Animal Diseases class were bored and disengaged by my traditional lectures…..
Traditional Lectures are Boring!

- Have tried many ways of creating engagement
  - “role play” exams
  - Quiz bowl reviews
  - Hands on physical exams
  - But lectures were still boring
Time for Toys!
Assignment to create scenario for FMD

Groups of 4-5 students assigned a type of farm or other animal facility or local or federal law enforcement, given toys to create them and tape to do zones and roads.
Followup next 2 years at ADay

• Groups chose their own disease and created posters and “farms” and “facilities” or other to illustrate them
Other techniques used in Anatomy and Physiology

- Endocrine and Reproductive lab
  - Letter from hormone to the body
  - Pin the hormone on the model (organ secreting it and receptor Lego model)
  - Matching and puzzles
- Quiz bowl, Jeopardy and Are You Smarter than an Anatomist games
GI Jeopardy

Kim Bergen (almost) DVM
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<th>So Hormonal</th>
<th>That Goes Where?!</th>
<th>Vocabulary</th>
<th>Functions</th>
<th>Accessories, Accessories</th>
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Are you smarter than an anatomist?
Pick a Subject

- PhD Muscle Phys
- Veterinary Zoo Medicine
- Grad Bone Anatomy
- Undergrad Muscle Anat
- Grade School Arthrology
- PhD Bone Phys
- Veterinary Clinical Case
- Grad Arthrology
- Undergrad Muscle Anat
- Grade School Skel Phys
Anatomy and Physiology (continued)

- Non traditional lab practicals
  - Students mark items from a list on their specimen rather than identify instructor marked
  - Oral lab practicals
  - Relay race of student pinning models and specimens
Does it help with learning and retention?

- Difficult to measure
- Improved enthusiasm
- Mentioned in teaching evaluations as favorite part of class
Future directions

• Try to quantify the results
  • Post testing
  • Comparison of grades to semesters past when traditional labs and exams used
  • Suggestions?
Thank you to those that helped me with these techniques

Learning Assistants (upperclassmen who help with my classes), former and current students who gave feedback, colleagues who gave me ideas

Special thanks to Kim Bergen for the GI Jeopardy and Jason Doll for the Are you smarter than an Anatomist