Rugby Roundup

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Character Selection

- -Changing texture when changing character
 - -Child and Hero use different palettes
 - -Needed to remove/add to scene each time
 - -Used palette and preloaded textures









Animation

- -Animating was tricky; arrow presses acted as new "threads"
 - -character continually sped up when pressing keys
 - -Solution: use a primitive form of multithreading
 - -Start anim, stop anim, collision code



-Multithreading is too complex for children's paths

- -Child position (framenumber) was messing up when fallen.
- -Different animation call for Hero vs child.



Collisions

- 1. Handled using axis-aligned bounding boxes.
 - a. Calculates x and y size of each object, compares for collision.



2. 3 Cases:

child | player

i. child route changes

ii. child is 'bumped'

child | ball

i. child falls: child's animation stops

ii. ball reset

iii. player score decreases

player | ball

i. ball 'disappears'

ii. player score increases

Organization

Children



X and Z Direction

Moving[]

TrackPad []

Balls



Balls[]

.ball

.shadow

Expansions

- -Update the THREE.js files (to use bufferGeometry)
- -Use particles for footsteps
- -Create more complex animations for pushing and falling
- -Implement toon shading for a more stylized animation (or modeling) style

Questions?