WHAT IS CLAIMED IS:

1. A playground structure comprising:

a frame having a plurality of consecutively interconnected sections, joined one after another, to form a continuous loop; and

a plurality of panels supported by the frame so as to give the playground structure an overall shape and appearance that is at least substantially consistent with an exterior surface of a uniform polyhedral solid.

2. The playground structure of claim 1, wherein a support device is connected to the playground structure frame and causes the frame to be vertically offset from the ground.

3. The playground structure of claim 1, wherein the plurality of consecutively interconnected sections includes a plurality of individual bent sections and a plurality of individual straight sections joined together to form the continuous loop.

4. The playground structure of claim 1, wherein the uniform polyhedral solid is a truncated octahedron.

5. The playground structure of claim 4, wherein the uniform polyhedral solid is an Archimedean polyhedron.

6. The playground structure of claim 1, wherein the continuous loop extends into a three-dimensional space to form a shape that is least substantially consistent with a perimeter of the uniform polyhedral solid.

7. The playground structure of claim 1, wherein one panel of the plurality of panels is coupled to the frame such that an outer proximity of the one panel of the plurality of panels is adjacent to a portion of the frame on all sides of the one panel of the plurality of panels except for at least one side of the one panel of the plurality of panels.

8. The playground structure of claim 3, wherein the plurality of individual bent sections includes a plurality of elbow pieces.

9. The playground structure of claim 3, wherein the plurality of individual bent sections and the plurality of individual straight sections are tubular.

10. A playground structure comprising:

a frame having a plurality of straight frame components and a plurality of bent frame components consecutively interconnected to form a continuous three-dimensional loop; and

at least two substantially polygon shaped panels attached to and supported by the frame such that each panel of the at least two substantially polygon shaped panels is adjacent to the frame on at least one but not all of their sides.

11. The playground structure of claim 10, wherein each panel of the at least two substantially polygon shaped panels is adjacent to the frame on each side of each panel except for one side of each panel.

12. The playground structure of claim 10, wherein the plurality of straight frame components and the plurality of bent frame components form a perimeter that follows a continuous three-dimensional path.

13. The playground structure of claim 12, wherein the continuous three-dimensional path forms an endless circuit.

14. The playground structure of claim 10, wherein the frame is attached to each panel of the at least two substantially polygon shaped panels.

15. The playground structure of claim 10, wherein the plurality of straight frame components and the plurality of bent frame components are tubular.

16. A playground structure, comprising:

a frame comprising a plurality of individual frame components connected to each other to form a single continuous loop, wherein the single continuous loop extends into a three-dimensional space to form a shape that is substantially consistent with a perimeter of a uniform polyhedral solid; and

an at least substantially polygon shaped panel attached to the frame;

wherein the frame borders the substantially polygon shaped panel on all but one of its sides.

17. The playground structure of claim 16, further comprising a tunnel having an opening proximate to the frame.

18. The playground structure of claim 16, wherein the single continuous loop is an endless closed loop.

19. The playground structure of claim 16, wherein the at least substantially polygon shaped panel is one of a plurality of at least substantially polygon shaped panels that are attached to the frame as to give the playground structure an overall shape of at least half of a polyhedron.

20. The playground structure of claim 16, wherein the frame is configured to support enough polygon shaped panels to create at least half of an Archimedean polyhedron.