The poster introduces n-dimensional real projective spaces, denoted as $\mathbb{R}\mathrm{P}^n$. The space $\mathbb{R}\mathrm{P}^1$ is used as an example to give intuition into real projective spaces in general. We further this intuition by providing homeomorphisms between $\mathbb{R}\mathrm{P}^1$ and other common spaces. The fundamental groups of $\mathbb{R}\mathrm{P}^1$ and $\mathbb{R}\mathrm{P}^2$ are also described. We also show the attaching of e^{n+1} cells, which can be used to create an $\mathbb{R}\mathrm{P}^{n+1}$ space from $\mathbb{R}\mathrm{P}^n$. The embedding $\mathbb{R}\mathrm{P}^1 \subset \mathbb{R}\mathrm{P}^2 \subset \ldots \mathbb{R}\mathrm{P}^n \subset \mathbb{R}\mathrm{P}^{n+1} \subset \ldots$ is also examined. This shows the CW-complex structure of $\mathbb{R}\mathrm{P}^n$.