and so I'm very very proud to announce

today that that we are going to build a

science Rover for 2020 launch to Mars

it's going to be based on the MSL

chassis it's really build on the

tremendous success of the engineering

for curiosity it will have new

instruments

while 2020 may seem a long way off it's

really not you know curiosity was about

a decade in the works now fortunately

and this is the reason that we can do

this within the president's fiscal year

subnet is one that it moves it out to
2020 so that the phasing is more favorable of the dollars that we have available and also that we have a tremendous amount of systems engineering and even spare parts left from the MSL chassis and that those are really the enabling things that allow us to do this quick-lock analysis said that it would cost almost as much to build a Mer class Rover as to replicate MSL just because we have all the solid engineering and parts and people and we get 10 times the science payload