

Welcome to “Risk and Exploration—Earth, Sea, and the Stars.” Today’s session is entitled “Why We Explore,” but I’m hoping that, mostly, we can make it a dialogue, up close and personal. I’m John Grunsfeld. I’m the NASA chief scientist and an astronaut. I think we have started getting into the discussions on risk and exploration, into some of the thorny questions about how do we make decisions. How do we use our judgment? How do we, as institutional managers of a public institution, make decisions on behalf of the American people, and with oversight of the Congress, that can stand the test of time, without being so risk averse that we don’t do anything interesting? There’s a couple of things I’d like to show this morning that are personal, that are professional as chief scientist, and then, representing the Agency, and then, looking forward. I think we’d be remiss in all of this discussion if we avoided the topic of why we’re not sending a Space Shuttle back to the Hubble to service it. So I’ll address that in a second.

Wildflowers of Blue Ridge and Great Smoky Mountains, Particle and Astroparticle Physics (Series in High Energy Physics, Cosmology and Gravitation), Dance to the Music of the Spirit: Art of Discernment, Reviews of Environmental Contamination and Toxicology 97, Rigby Focus Forward: Individual Student Edition Munir and the Magazine, Scientific Committee Special Meeting Report: Biology of the Phocoenids No. 16 (Report of the International Whaling Commission, Special Issue), Carmelite Prayer: A Tradition for the 21st Century, Effects of Watershed Development and Management on Aquatic Ecosystems: Proceedings of an Engineering Foundation Conference, Biochemistry Flashcard Quicklet: Flash Cards in a Book for Biochemistry Students,

Why We Explore Earth and Space – The Galactic Inquirer Why do human beings explore? And, why are the most adventurous explorers drawn to outer space? Naturalist and astronomer David Aguilar **Why We Explore: Voyages to the Planets: Venus NASA** Every time we accomplish something amazing in space, its as predicable as sunrise that someone will make the comment why spend so much **Space—Why We Explore - The Aspen Institute** Whether we know it or not, we are natural-born explorers. There are many reasons why we explore. From birth we learn about life and how it works by exploring. **Bill Nye: Why We Explore - Video Big Think** We came this far in evolution only by exploring. Our ancestors ate different things and some died giving us the info what not to eat or otherwise. This I think is the **Xploration Outer Space Why We Explore (TV Episode 2015) - Full** Why do human beings explore? And, why are the most adventurous explorers drawn to outer space? Naturalist and astronomer David Aguilar **WeExplore - Adventure Learning Environment** - 3 min - Uploaded by Shots of AweThe pleasure we derive from journeys is perhaps dependent more on the mindset with which **Why do We Explore? – Life at the SETI Institute - ScienceBlogs Deep Dive: Space—Why We Explore Aspen Ideas Festival** Students discuss the meaning of exploration and places they would like to explore. They compare past and present-day explorers reasons for exploration to **Why We Explore - YouTube** Why do human beings explore? And, why are the most adventurous explorers drawn to outer space? Naturalist and astronomer David Aguilar **Why do we explore? Five reasons for taking time out of the** Humans have always felt a primordial urge to explore -- to blaze new trails, map new lands, and answer profound questions about ourselves **Clubhouse: Why Do We Explore? NASA** - 3 min - Uploaded by Camilla CoronaSimply put, it is part of who we are, and it is something we have done In NASAs new video **Why Is It Important to Explore? Explorers Information, Facts, News** The Real Reasons We Explore Space. Ambition, curiosity, and a reason the NASA Administrator admits has nothing to do with economic benefit. **Why We Explore - National Geographic Society** Throughout

history, humankind has shared an innate trait – the desire to explore. **The Real Reasons We Explore Space** **Space Air & Space Magazine** Deep Dive: Space—Why We Explore. Description coming soon. Speakers: Alan Explore hundreds of sessions from the festival. Find video and audio by topic: **Why Do We Explore?** **NASA WeExplore** is a unique Adventure Learning environment that allows learners to become explorers pursuing answers to their own questions, and then share their **Why We Explore? - SMARTech Home - Georgia Tech** After all Magellan was an explorer, not a scientist or a natural philosopher. Many scientists undertake routine science that can hardly be called **What Are The Best Reasons Why We Should We Explore Space?** We explore at microscopic to macroscopic scale but this is not a human privilege. All species that made the journey thus far with us are still here **The Earth is a Planet: Why We Explore Space** **The Planetary Society** Material leftover from the Suns formation swirled into a massive disk of planetary debris. Over millions of years, some of this material came together to form the **DISCOVERY :: Small Worlds :: Why We Explore** Image to left: The Why We Explore Exhibit is on the fourth floor of the Childrens Museum of History, Natural History, Science & Technology in **NASA – Why We Explore** Celebrating World Space Week: Why We Explore Space. by Leroy Chiao, Ph.D., Space Foundation Special Advisor - Human Spaceflight. World Space Week is **NASA - Why Do We Explore? - YouTube** The following post was written by THINK Global School Spanish Teacher Sam Nelson Over the course of **Bill Nye: Why We Explore - YouTube** Why we explore is a perennial question, and as we contemplate it now in the context of NASAs renewed emphasis on exploration, it is **Space—Why We Explore : NPR One** Watch Bill Nye: Why We Explore Video Online, on . **“Why Do We Explore?”** People explore to learn new things. People at NASA explore many new places. What we learn can help make the world a better place. **Why We Explore - NASA History Office** - 3 min - Uploaded by Big Think According to Bill Nye, if you stop exploring, youre not going to move forward as a species **Why We Explore - NASA History Office** Xploration Outer Space Why We Explore (TV Episode 2015) cast and crew credits, including actors, actresses, directors, writers and more. **Bill Nye: Why We Explore Watch News Videos Online - Global News** According to Bill Nye, if you stop exploring, youre not going to move forward as a species. Your countrys economy will also fall behind. After all

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