Thinking, Technology, People, Engineering, Ideas, Want, Needs, Made, Home, Children, Years, Design, Mistake, Designer, Hands, House, Important, Problem, Computer, Order

I made 5,127 prototypes of my vaccum before I got it right. There were 5,126 failures. But I learned from each one. That's how I came up with a solution. So I don't mind failure.

~James Dyson

What I've learned from running is that the time to push hard is when you're hurting like crazy and you want to give up. Success is often just around the corner.

~James Dyson

Enjoy failure and learn from it. You never learn from success.

~James Dyson

Everyone gets knocked back, no one rises smoothly to the top without hindrance. The ones who succeed are those who say, right, let's give it another go.

~James Dyson

Successes teach you nothing. Failures teach you everything. Making mistakes is the most important thing you can do.

~James Dyson

Everyone has ideas. They may be too busy or lack the confidence or technical ability to carry them out. But I want to carry them out. It is a matter of getting up and doing it.

~James Dyson

In order to fix it, you need a passionate anger about something that doesn't work well.

~James Dyson

Engineering undergraduates should not be charged fees. They should receive grants, not student loans, and the government will get the money back long-term from increased exports.

~James Dyson

If you want to do something different, you're going to come up against a lot of naysayers.

~James Dyson

Children want the challenge of difficult tasks - just look how much better they are than their parents on a computer.

~James Dyson

Designing aircraft and racing cars is an extremely exciting thing.

~James Dyson

Britain's great strength is its innovative, design and engineering natural ability and we're not using it.

~James Dyson

Life is a mountain of solvable problems and I enjoy that.

~James Dyson

You need a stubborn belief in an idea in order to see it realised.

~James Dyson

Business is constantly changing, constantly evolving.

~James Dyson

Far too few designers put any thought into usability, ending up with a great product that's completely inaccessible.

~James Dyson

The computer dictates how you do something, whereas with a pencil you're totally free.

[M]anufacturing, science and engineering are ... incredibly creative. I'd venture to say more so than creative advertising agencies and things that are known as the creative industries.

~James Dyson

I learned that the moment you want to slow down is the moment you should accelerate.

~James Dyson

Beauty can come in strange forms.

~James Dyson

Today, computers are almost second nature to most of us.

~James Dyson

Manufacturing is more than just putting parts together. It's coming up with ideas, testing principles and perfecting the engineering, as well as final assembly.

~James Dyson

After the idea, there is plenty of time to learn the technology ~James Dyson

Failure is an enigma. You worry about it, and it teaches you something. ~James Dyson

One of the most fun inventions of my lifetime is the Mini.

~James Dyson

There is no such thing as a quantum leap. There is only dogged persistence - and in the end you make it look like a quantum leap.

~James Dyson

If robots are to clean our homes, they'll have to do it better than a

### person.

~James Dyson

Arbitrary benchmarks cheat kids out of a fulfilling education.

~James Dyson

I just want things to work properly.

~James Dyson

All our engineers are designers and all our designers are engineers.

~James Dyson

At school, I enjoyed playing the bassoon. I was in the orchestra and played the melody when the other boys sang hymns at prayers time.

~James Dyson

I think people are realizing that engineering and science are extremely good degrees to get and you'll be very highly paid once you've got them.

~James Dyson

I think the search engines are the new equivalent of publishing: an enabler of information.

~James Dyson

We have to change our culture so you can create wealth from making things and don't just try to make money out of money

~James Dyson

If you can't be unconventional, be obtuse. Be deliberately obtuse, because there are 5 billion people out there thinking in train tracks, and thinking what they have been taught to think.

Success is made of 99% failure.

~James Dyson

Anyone developing new products and new technology needs one characteristic above all else: hope.

~James Dyson

[In my home workshop,] generally I'm mending things, which is interesting because you learn a lot about why they broke.

~James Dyson

The one size fits all approach of standardized testing is convenient but lazy.

~James Dyson

Design and technology should be the subject where mathematical brainboxes and science whizzkids turn their bright ideas into useful products.

~James Dyson

Companies are not ingenious, it's the people in them that are.

~James Dyson

There's nothing wrong with things taking time.

~James Dyson

Reality TV is anything but.

~James Dyson

Everybody recognizes that if you can make very efficient electric motors, you can make a quantum leap forward.

~James Dyson

When decisions on nuclear power stations and runways are delayed

and the government dilly-dallies, people think they aren't important.

~James Dyson

Engineers are behind the cars we drive, the pills we pop and the way we power our homes.

~James Dyson

Nobody wants the expenditure of a lease on a factory which lasts 21 years. You can't plan 21 years ahead.

~James Dyson

Cordless vacuums are designed for quick jobs, but you need enough power to do the job; you don't want the power waning over time.

~James Dyson

Apartments are getting smaller on a whole. Houses are getting smaller. People don't need great big vacuums anymore.

~James Dyson

The key to success is failureâ€l Success is made of 99 percent failure. ~James Dyson

The media thinks that you have to make science sexy and concentrate on themes such as rivalry and the human issues.

~James Dyson

We need to encourage investors to invest in high-technology startups.

~James Dyson

I want entrepreneurs to be engineers and scientists and designers; they don't necessarily have to be Internet entrepreneurs or retail entrepreneurs.

So I think the winners in recession are the people who produce new technology that does things better, which people really want.

~James Dyson

I just think things should work properly.

~James Dyson

Don't listen to experts.

~James Dyson

My interest in film is sort of catholic - apart from science fiction and horror movies, I'll watch almost everything.

~James Dyson

Fear is always a good motivator.

~James Dyson

The Web is fascinating and transformative, but it's an easy, flashy, get-rich-quick option to the hard graft of proper industry.

~James Dyson

When I started off, I was working in a shed behind my house. All I had was a drill, an electric drill. That was the only machine I had.

~James Dyson

Emerging markets are hugely important.

~James Dyson

In the past, the U.K. got away with selling things that weren't unusual. Now it's no use trying to export without having something that's unusual and better.

~James Dyson

I was frustrated as a child when I had to use a vacuum. It had a

screaming noise and the smell of stale dog and a lack of performance.

~James Dyson

In the digital age of "overnight" success stories such as Facebook, the hard slog is easily overlooked.

~James Dyson

I've fought court battles over my inventions before.

~James Dyson

China can and will be an invaluable trading partner to both the U.S. and the U.K.

~James Dyson

As a modern employer you have to treat people well.

~James Dyson

The way the world is going, it's technology driven. And it isn't just driven by the old super powers, it's driven by the far east and new emerging economies.

~James Dyson

Anger is a good motivator.

~James Dyson

As an engineer I'm constantly spotting problems and plotting how to solve them.

~James Dyson

Stumbling upon the next great invention in an 'ah-ha!' moment is a myth.

~James Dyson

If you really want to improve technology, if you want things to work

better and be better, you've got to protect the person who spends a lot of effort, money, and time developing that new technology.

~James Dyson

An inventor's path is chorused with groans, riddled with fist-banging and punctuated by head scratches.

~James Dyson

Engineering is treated with disdain, on the whole. It's considered to be rather boring and irrelevant, yet neither of those is true.

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