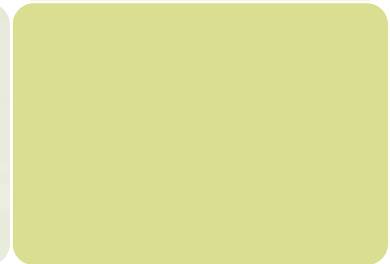
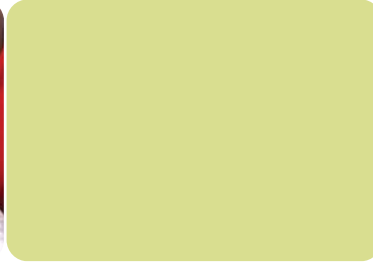


children's research center



IN FEBRUARY at CHILDREN'S RESEARCH CENTER

CHILDREN'S RESEARCH PROGRAM IN DARÜŞŞAFKA SCHOOLS IS GOING ON.

On the 10th week, 5th grader children participating in the program has finished collecting data and started analysis on the research topic they chose from the fields of science like Anthropology, Biology, Physics, Paleontology, Geology, Psychology and Chemistry. At this enjoyable step of the research process, they are comparing data, trying to infer and reach conclusions. Children's Research Center-Turkey is helping them and supporting their efforts in every way and share their excitement.



IN MARCH..



- Children's Research Center-Turkey participates in the Science Fair at Ankara University Development Foundation Private Schools.
- Children's Research Center-Turkey is invited to the workshop activity "La Main à la Pâte" organized by TUBA and Embassy of French Charles De Gaulle High School.





OUR PUBLICATIONS

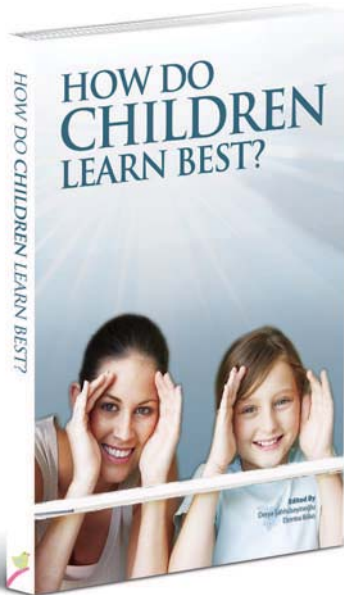


Children's Handbook of Research

Lot's of things around us stimulates our curiosity. They guide us to ask questions. We can conduct research to find answers to them. But how?

Children's Handbook of Research is prepared to help children and their parents and teachers who want to conduct their own research.

Would you like to join this enjoyable journey?



How Do Children Learn Best?

From the very beginning, we strongly believed that children's motivation in learning increases when they are given the chance of finding answers to the questions about which they are curious. We equally believed that as educators and parents, we can all contribute to children's development by allowing them to interact with various sources of information along with innumerable tools that can enrich both children's lives and their perspectives.

This book is the brainchild of a social web of colleagues who have been in touch because of their interest in children's learning. The roots of our book can be found in our eagerness to learn more about learning itself. As teachers, education researchers and parents, we all wonder how children learn "best". This question gave birth to 20 chapters brought together by 24 different authors from Australia, Bangladesh, Belgium, Canada, India, Israel, Latvia, Turkey, the UK and the US although their chapters speak for all countries and all regions in the world.



HOW TO SUPPORT CREATIVITY OF CHILDREN

We all have a creative side. As we grow, we start to use less of our creativity and sometimes, we may limit our children's creative skills' development without realizing. Nevertheless, children are masters of creativity. They can work on and come up with many alternatives to find solutions to the problems. They can overcome the problems by asking questions, experimenting, discovering. If they grow up with a philosophy supported by creative thinking, they can look for alternatives, create new links and increase their awareness. If they can adapt creativity to their lives, they can develop the skills enabling them to overcome problems in their lives.

So how can we support their creativity? We can start by forming various ideas on a topic. The more they form new ideas, the easier

they can find effective solutions. For example, we can guide them to think about "How can we use pencils, shoes, hand torches or water bottles for different purposes. We can trigger their creative thoughts by "What if?" and "Why not?" questions.

Another way is to help them create their own unique designs. For example, they can think about the question "How does a paper plane fly better?" create a design and a model. We can also use a continuing story concept. Someone starts the story and then each person adds a part. After the completion story can be read and acted out by using puppets or role play games. "How could we end this story differently?" or "What would you like to add or remove

Pre-mature judgment kills creativity. It is the fundamental block that keeps our inherent creative ability from sparking unique ways of looking at problems and challenges.





COVER STORY

In all these activities, the simple creative ideas put forward by children can be analyzed, evaluated, and transformed to fully developed and complex solutions. Help them think of as many ideas as possible, as quantity of ideas leads to quality ideas. Explore far-fetched and crazy ideas. Breakthroughs come from exploring the unlikely and then making that workable.

about the story?" type of questions can lead them to think about alternatives and evaluate the story.

The key for creativity is learning to defer judgment and helping children learn to do the same. Try not use phrases like "it is not the correct way" or "you did it wrong" which may lead them to develop prejudice and stop being creative. Children need to use their imagination, form questions and ideas, develop, evaluate and share their ideas in a unique and free way to keep their creativity alive.



INTERVIEW WITH THE SUN



KIVILCIM: Hello Sun! Thank you for accepting the interview. I want to start quickly because I have lots of questions to ask to you. They say we wouldn't be here if it weren't you, is that true?

SUN: Yes, that's true. Without me, there would be no light and no heat. Life would definitely be difficult on Earth.

KIVILCIM: You're right. You are the biggest star in the universe, aren't you?

SUN: Actually no. Don't let my looks mislead you about my size. I am one of the medium sized stars. But since I am close to your planet, I look bigger.

KIVILCIM: Really? Our big Sun is just a regular medium size star?

SUN: Yes, I may be medium size but I am much bigger than your planet. Guess how many Earth sized planet fit in my body?

KIVILCIM: Hmm. I don't know. Ten maybe?

SUN: More than a million! That's why I am very powerful. All other planet in our system is affected my size. Planets, comets and meteor move by my power. My gravity is so strong that can hold all of them in place.



KIVILCIM: Yes, you must be really powerful and big. How old are you?

SUN: Since I started shining 4.6 billion years ago, I guess I must pretty old. I don't even remember my birthday anymore.

KIVILCIM: I am curious of the lives of stars. How were you born?

SUN: We start our lives as giant clouds of dust and gas. Gravity shapes this cloud into a sphere and we start spinning. Our hydrogen atoms get so hot by this movement we start releasing energy and we become shining as stars.



KIVILCIM:Your shining is incredible. How do you do that?

SUN: Hmm. I guess you want to learn my secret. Actually I am basically made up by two types of gas. These are helium and hydrogen. I create so much energy by transforming hydrogen to helium that even you can see it's shining from Earth.

KIVILCIM:Cool. This may be a bit rude but what are those stains on you? Are they pimples?

SUN: Oh no. I wish they were. Scientists call these as sunspots. They look darker because they are cooler than the gases around them. Don't think that cool means really cool. My surface temperature is about thousands of Celsius degrees. It is hotter than the hottest oven you have. My core temperature is millions of Celsius degrees.

KIVILCIM:Wow. It is impressive. Do you want to tell us anything else?

SUN: I know that you really love and I love you too. But please don't spend too much time out in the open when I am around. My energy can make you ill. Stay in the shades and drink lots of water. Use my light and heat wisely.

KIVILCIM:Thanks a lot for this lovely interview Sun.

SUN: You are welcome. Take good care of yourself.

